

# SEQUENCE LISTING

<110> Young, Paul  
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Endress, Gregory  
Augustus, Meena  
Ebner, Reinhard  
Carter, Kenneth

<120> Cancer Gene Determination and Therapeutic Screening Using  
Signature Gene Sets

<130> 689290-64

<150> U.S. 60/209,473

<151> 2000-06-05

<150> U.S. 60/209,531

<151> 2000-06-05

<150> U.S. 60/236,891

<151> 2000-09-29

<150> U.S. 60/236,842

<151> 2000-09-29

<150> U.S. 60/244,867

<151> 2000-11-01

<150> U.S. 60/245,084

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<160> 1067

<170> PatentIn version 3.0

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 <212> DNA  
 <213> Homo sapiens

<400> 28  
 caggaggaaa aaaattttta taacatatgt ttgcacagga gtcccacaaa atatgagact 60  
 ccgagaagag tcagatgatg gacactcatg caccaccgtg agctatcgaa agaatgtggg 120  
 cttagggctt ctgcatggag gtggccacgg aagtgtgaaa gtgaaggcaa gaagtgtgtc 180  
 ctgaataaag cttggctggt tttcagacaa aaggctcttct gggtaataaa tgttgtcttg 240  
 agcagccctc aggagaagag gtaagagcct gtatgggatg gtgtcgtctc caacatcctt 300  
 ccctgtgatc ccacttactc ttccctggct gatgagatac ttgggggttg gattcatgat 360  
 gattgaattt ctttttgagg atttgtcttt gggcagatga aggaggctca gagaaaa 417

<210> 29  
 <211> 268  
 <212> DNA  
 <213> Homo sapiens

<400> 29  
 aaaagaaaaa tgtaagact ttattcaaga tgtgtatcag gcattataac aaaacagcag 60  
 aacttcaacc tttggaatac tgtaatttta catccctttg atgcacagtc cagtatacta 120  
 ttttattaca gatcattcta tagggactac agacatgaac tagaggaaat gtgcacagtc 180  
 aaaatccaga atatcagctc tgggagtgtg cactgttaga ggatgaagca catcctttgc 240  
 catttcaaact actgtgccag gtggagga 268

<210> 30  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<400> 30  
 catgggaaaa cttttcttca ttctcaacat gcttaagcta tttttacaaa tcagttaaac 60  
 tatgtctaca caaagcttag aagcacttta tttgggagca atcagtattt ttgtcaaac 120  
 ttttgacag gtctttattt gtgttttgga aggttcaaca cgaattgtgc aaaatctctg 180  
 gatatattag tttagcgata tggttgttga agaaaataat atgttttaag cattcacaac 240  
 g 241



<210> 31  
 <211> 361  
 <212> DNA  
 <213> Homo sapiens

<400> 31  
 ctcccaaaat aggaaatttt gtattcctat agtcaaaaaca ataaacaatt tttgaaatta 60  
 aaaaagtga gaatccttgaa attcattttt ttcagtagaa taaaacaata agcagcatga 120  
 aaacgtaaag tgctacataa aagccccaca ttacataaat tttgaaaagt ttattggctt 180  
 aaacagttac aggtgaaaca gattacgtat tttttttcaa gcatgctatt ttaattacct 240  
 tgatactca tcatgtgcta tgttgggtcaa ataaaatgtc atgagttatc tagatctgag 300  
 gattaaagag gagtcctcag cctttacttg ccagaatata catccagttt tagctgtatg 360  
 c 361

<210> 32  
 <211> 363  
 <212> DNA  
 <213> Homo sapiens

<400> 32  
 tttttaattg caactggact tttattgtgc agttacaaca acaaagtgtt tcagaaaaat 60  
 atttggaataa aatataccac ttcataagcta agtcttacag agaagaggat ttgctaataa 120  
 aacttaagtt ttgaaaatta agatgcaggt agtgcttctg aactaatgcc cacagctcca 180  
 aggaagacat gtcctattta gttattcaaa tacaagttga gggcattgtg attaaagcaa 240  
 caatatattt gttagaactt tgttttttaa ttactgttcc ttgacattac ttataaagag 300  
 tctctaactt tcgatttcta aaactatgta atacaaaagt atagtttccc catttgataa 360  
 aag 363

<210> 33  
 <211> 320  
 <212> DNA  
 <213> Homo sapiens

<400> 33  
 atgttggtgaa aaggaatctg taaaagtcag ttttatcaca aattgtaaat attattgaaa 60  
 ttgattgcaa atttagatca catacaaatg agagtctgac attcaactgt tttcctatat 120  
 tccaaagtaa acaattcctt tcaacactca agacttaaac aggtattcct agaggggtat 180  
 atgaattgct atcagaagct gttggctaac aagccagtaa tttgggttct tcaccagaac 240  
 acagttccag ataagcatct ttgcactatt tctcaagtat gaatcccat gtgggggggaa 300  
 aacggatata ctttcaatag 320

<210> 34  
 <211> 299  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 34  
aatagttcca ttcattaagt cttttcttct tgctctgctt ggtaaaaggt gaaaacatgg 60  
catcaaaaaca cagcccagag aaagtcaatt cctgtatttc taagacagta ggatccaggc 120  
ttattttggaa gataaaatat ctctggaaga acagatagtg ttaatggatt gantcatttt 180  
cctcaaaaag atataacccc cagaacctca gaacgtgacc ttattttggaa atagagtcac 240  
aacatatgta attagttaaa attagttccat attggagtag ggtggacact aatccagca 299

<210> 35  
<211> 515  
<212> DNA  
<213> Homo sapiens

<400> 35  
tttttgcata atgagcgcac tttattaaat agatagttaa cgcactgctt cttactcatt 60  
ccaagttgct gtaggtgctg cccgcattaa cagcagggac aaaagcttcc tatgcgcgctt 120  
tcagcaggaa tactctctcc actccaggta cttctttgtt ttggattttt ttggcatgat 180  
ttccttccca tgtaaagaaa gccaaacttct tcaagacaca ggtcattcag ctttagtggt 240  
ggcctccagg ttctccttgg gccgtgcaga aggcacagtg ccgcacagtg aggcctcct 300  
ttgtcctcca ctgaaagctt ttcactgttc ggtctgcaaa gaaagaggtt cgctgcccc 360  
tgctccactc gccagggtgg aagtgggtgga gggctgggaa agggctttct tcacagggca 420  
gtgctctcgg tatcattgtc tatatccagc aggatgcggc caggcacgtc tttgctggct 480  
gagtctgagt gcatttcagg aaagatgctg cgatg 515

<210> 36  
<211> 350  
<212> DNA  
<213> Homo sapiens

<400> 36  
ttttgaactt gctcagaatt ttattgggat taacaggggc cacggggaga ggcgagcctt 60  
ctgggggacg gggacagaat accgcaaaga ataccgcaat gggacggcc ttgcatagac 120  
accgagggcg gctagcggcg cggcgggaag aggagagggg tggagaaaga acttgggaga 180  
ggaaggtggc agcagcgcct ccatgggcac tgccgcgctg tgacgaaggc cacagcggcc 240  
ctccccgctt cggggtacag ggtgtccact ccacacagca caggagaggg ggctggggca 300  
caactgactg ggagaagtgg gtagaggggc cctgaccaag gcacacaaat 350

<210> 37  
<211> 344  
<212> DNA  
<213> Homo sapiens

<400> 37  
tttttttttt ttttttttta aattttatta taaagacctt tattaggaga aaggacatat 60  
tttctatttc ttacttttat tttgtgcctt gaaggacttg tgaatgtata gaataattat 120  
tttttcttac tgcttctctt ttgcaaccca acctccacca agtcaatcgt gaaggtagga 180  
agaaagctgt atttctgtta cttttaaaaa tgataacgag aagaaattaa aacaatggct 240  
taagagaaag aggatgtaag gagtacaaag caaaacttaa caaagagtta gtaaaggaac 300  
ttgcattgac aattcactca gccatgttaa ttttatcatt aata 344

<210> 38  
 <211> 543  
 <212> DNA  
 <213> Homo sapiens

<400> 38  
 tttttttttt tcatgtttca tagtttttatt gagtcttttt cagtttttaac tgtccatggg 60  
 aagtacagtt ctagtgacca caattatgaa gctctgctcg tactaaaaat agcagataca 120  
 aagttggctg ccatgcctta cacacactaa gacacacaca cacacacaca cacacacaca 180  
 cacacaagg tttgcatact cttacatgca aacagtacta tgctattata ggaaatgtac 240  
 tttcctttta ttaaaaaatac aattacacac aattagtctg ggttttgtta agctaccact 300  
 gatttagata aacctgagaa agctcaaaat atcaagtaac actgtttcca tactgctcat 360  
 tcaatggcac tatcactcaa aaagaaatct agttcaatca tctatattaa aatcacagat 420  
 aatataaaaa taaacatttt ttgcaatagc actaaaacat actataattc aaattcacia 480  
 attttgatat gtaacatata ttcaccttca tattaatttg tgattatgtg tataatacca 540  
 tgt 543

<210> 39  
 <211> 186  
 <212> DNA  
 <213> Homo sapiens

<400> 39  
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 ttacacgagc cgcggtggcc tgggtggtggc acgtgggggg cgcccccgcg gcggcgtcac 120  
 agcggtccca ggtcctcgtc cccgcacgca tactcgtaca ggtccacggc gccacagcgg 180  
 gagggc 186

<210> 40  
 <211> 413  
 <212> DNA  
 <213> Homo sapiens

<400> 40  
 tttggaaaat gacaggtttt tattgctatg tttgcagtgg ctttttagca cagtaagaat 60  
 gtccccgcag gccaccacc ctcacgcagc cccagccctc cagcctctgt ccgggtgtca 120  
 gggaagcctt tcttggggtc actcagccgt ctggggactg gacgtgacag acatacgtgg 180  
 gttaaagccg ctacacagaa gactggaggt gcaggaagtg catccgcctt gagcctggat 240  
 gtgggagccg tgtccggggg ccttcctgg ggctgtgcac gccaggggca cagggtggga 300  
 agcctgagca ggccagggtta gcagcccaga caccaggat ggaatattgc agcctcttgc 360  
 cccacagaca cccaagctca cacaattgat attggtggtg attggcgcag gaa 413

<210> 41  
 <211> 365  
 <212> DNA  
 <213> Homo sapiens

<400> 41  
 ttttgagaga aaaggaaaaa ctttagttaa aatctttaca ataaaaaat tatgactata 60  
 aatctcttta gttaaataatg tacacattac atggtatttg tataaagaat ggaaatggat 120

aaagtttttc	aggcaaatct	aatgcacaaa	tacaccatct	tttagagtat	aatgtcagtt	180
tatcattcgt	taacagctgt	gtagacagt	ggctctgctt	tgtgcaaac	gtgataaaca	240
aaattaggaa	aaattctgca	aaattattta	gttccccaag	gaaattacta	aaatagaaaa	300
tggcaaaaga	aaaaaagggt	gcacactgaa	gcttgattgt	atactcaggc	tacaatgacc	360
agcac						365

<210> 42  
 <211> 489  
 <212> DNA  
 <213> Homo sapiens

<400> 42						
tgaattgttt	acaaatgttt	attaaatgtc	agtaattttt	acaaagcaaa	tattaatagc	60
aagaggcaaa	tgttttgcaa	aatatgtaca	aaagtaaaaa	gctgtaatga	actagcaact	120
cattttataa	aatcaaacca	ttctttccac	tttttagacct	ccttttagaaa	taattttattg	180
cccattcctga	actaaagcac	tgacaaaaaa	atttacaaca	attatcagat	aatgtgctta	240
gttcctggaa	agttataaaa	agatatatgt	aaaaaaaaaa	tcctaagcca	caaataatttt	300
atagagctaa	tacgagtcac	gttttggttag	gtacagtatc	tacgggggta	ttacaaaata	360
tactttttta	taaggcttct	tgtggtaaat	gagctctcac	cagagtagag	tagtttagaa	420
aagccatttc	aaacgttttg	cgattctgcc	ttcaagtaag	aggtaaaagg	taaatggcat	480
agtttggtg						489

<210> 43  
 <211> 321  
 <212> DNA  
 <213> Homo sapiens

<400> 43						
ttgaaagccg	ttatgtcctt	ttatgttggtg	tgatagatga	ctgggtatct	ctctaactct	60
atttgctgac	ttcagcaaaag	aatcaatgat	gagcttagtt	tgcaagaacc	ggttccatca	120
catggaacgg	gaacgtatgt	taagctctag	cagccacctt	ctgtcaaaac	tgtttgtaaa	180
gcaattacca	taatcaggtt	atgaggtccc	ttgggttgagg	gaaaaagtat	tatcaagact	240
tggcacagca	catgaaaagc	aacatgttaa	gtttctaggt	tttaagcaaa	catctgacta	300
tgctattttc	aactacatca	t				321

<210> 44  
 <211> 363  
 <212> DNA  
 <213> Homo sapiens

<400> 44						
tttgacaaag	tctatggctt	tactactttt	caagacaaaa	gtcacatatt	aaaatacaaa	60
ctactcaaaa	gcaaatagtt	gtcaagaatg	tggtttacaa	gacagatctt	acagataata	120
cagactatat	tatgatttat	ctgtttgaaa	acagaaagta	gtgtattata	ctgaattctg	180
gtataagggtg	cgcaggaaac	tttacttaca	atccttttatt	ttcataaggt	aaacaccaaa	240
gtattttctca	catatattac	caccagattt	tttttaaac	aaattccggt	ttaaaaatca	300
cacactgaca	acacagaaat	acgaaatgct	aggaaaagtc	tagcatatga	aggaaaaaca	360
tgt						363

<210> 45

<211> 412  
 <212> DNA  
 <213> Homo sapiens

<400> 45  
 ttttttttct ataaaaatat aactctttat taaataacat gcacaaatat caactagtca 60  
 ttaaacagat atttagaaca aattgtaaag aaatacaaat ccttaggtac aatttagtat 120  
 cttgttcattg atatttgaag agtttaaaaa gaatcactga ttaaactaac catccttttt 180  
 ctttctgaat ccaaaaacctt ttcaggcata tactccattc caaatttttt tctagcattt 240  
 cagagcttca gaatatcttt aataccaaaa gcccttaact acttatttga ttatacattt 300  
 ccaatgagaa ggcattaact tttcttttaa gctatcatta gctttgagtc tctttataaa 360  
 agaaatttgt agaagcataa tcatggcaga gaggctccag ctttttgagg ta 412

<210> 46  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<400> 46  
 aagtttcttg gaaatttttt tattctcctt gccaacattt cttttgacat tttattactt 60  
 aattatgtga cattaagaaa taatttggtt gcatattatt ttcaaaaagc agtaagaaag 120  
 tagctattga gaaagaagga gggccatagg tttttcaata aaacgttaga aacattataa 180  
 aaaacgagac tcccattaca tggaaacaca tgatcaaaga tcagactaac acacattcaa 240  
 acaggcttgg ttcgaaatag agttctccat ttctttcaga tgagcctttt ttcttaggct 300  
 ctttcagaag cacttcacaa tgaacagagg tcttgccagc tcatttcatt agcggagaag 360  
 caaaggatat atggcagaat catgagaaga tggaaataag gcctgaggat atggcttgat 420  
 c 421

<210> 47  
 <211> 324  
 <212> DNA  
 <213> Homo sapiens

<400> 47  
 ttgtcaatgt tagaaacatt tacttctgac gataatccat atagctttct ctgatgttac 60  
 acagcgatta catctccttg tgtctaaatt aaagtcaaag tatgaatttt aagatgattt 120  
 ttaattattt aacaagtaga aatacgatca gtgacaatta tcaattaaaa cattaaacaa 180  
 cccagttacc ttttcttaac agtcatgatg aaatatccct ttctgtgtct atcagaagcc 240  
 ttaattattc tctaccacac acaccacaaa agcttcttaa tagagcatca gtgtccatca 300  
 cacctttgtg tagaatctct ggca 324

<210> 48  
 <211> 502  
 <212> DNA  
 <213> Homo sapiens

<400> 48  
 ttttgaaaa tgagattttt gactttaaca aaacaaatac agattgaatt taccaaatat 60  
 tgataattca tgtagaacgg gtgccacaga ttttaaagta tcaaaaccaa gagggcatca 120  
 caaataaac tttggtgaaa aatatcttca tcaaagaaga aaatatgaga agagtagtcc 180  
 ttatgcagtg aggagaaata tatttggtta agtaaatat ggtagtagat actgaatcta 240

tagatagcat	atattccaaa	tgtttttttag	ggaatatcaa	atcagatgat	gcttagatgt	300
tatagtaata	tcacttatct	catttggaat	gaaatttaat	gttttttaat	aaatagcaaa	360
ttttcatttt	ttcactacct	ttataaaaaca	aattaaatat	ttagagtata	actgatcata	420
actaacatca	ccttgcattt	actaataaat	actctaaata	catttggttt	attattggaa	480
tttatatcct	tataatttta	cc				502

<210> 49  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<400> 49						
gagaaacact	atatttttat	ttattttattt	atatttgagac	agtcttgctc	ttattgccc	60
ggctagagt	cagtatttac	aaattacaca	cacataaaat	ctggatttct	agcttcttat	120
gacaaaggat	ctggcaacac	cgggccacac	ttcagcccca	caggccacag	gtgacttgac	180
ttgcctccag	ttcacccctg	cccctgccag	ccttggtctc	tgacaccgaa	acagcccgtc	240
agagctgtca	ctcgggttca	tgcggtgtac	ctgtctggcc	ctggaaaggc	cctggagtgt	300
gtggcgccac	tccaggtcaa	caggcatgtt	tagaaggagc	ctgccagggg	ctgcatggcc	360
gaggagccac	ctctccctgc	agaggaaagg	gatcctgc			398

<210> 50  
 <211> 424  
 <212> DNA  
 <213> Homo sapiens

<400> 50						
tttgaaggta	tatatgtttt	attatttttta	catcgtctct	tccctactgc	atcaagcccc	60
atcatcctag	catgcaccca	ggaaatcagc	aaaaacccat	ttaagagtcc	agacttcaag	120
ggtccctcac	agtaatgggc	atctcttggt	ttgcccagac	agagcagacc	actcgtttcc	180
ccttattctg	ctaattgtat	ttcattttcc	tttaagcaac	cacctttcac	cccatcctga	240
atcctcagac	ccttattttcc	tggtcttagg	aattagcaca	tgacacaggc	ctggccactc	300
agagtgtttc	attcccctag	aagtagagat	gagaccccaa	acgggtcaat	gacactctcc	360
acttgaatt	attggaataa	gtaaatctct	tcccactggg	ttactgggtt	agcaggatag	420
aagc						424

<210> 51  
 <211> 424  
 <212> DNA  
 <213> Homo sapiens

<400> 51						
ctttttattg	attttttttc	aaaagcactc	tatatatgga	gtggcaccag	atttaacct	60
tttaaaataa	aagtcataca	aacacaaaat	atatttctgt	gtcatgccag	ctcattatat	120
aataaacatg	ttatgacagc	taattctact	agaattactg	tgaatactta	cagtacactg	180
aattttattc	tttcacatcc	attttagttt	ttaaagagag	ttcacgagtt	aaatgacaat	240
ggcatggcta	tcttgaatgg	ggtgcaaaca	tcattgggga	atgtggatcc	aattaatccg	300
aaggtccggt	gtgaccgcta	ttagttttat	agacaagaga	agggtttaag	atagggtgaa	360
atgagctatc	agtggtttca	atgtctcatg	aaagaaagaa	atgcattaaa	aaaaaaaaag	420
tttg						424

<210> 52  
 <211> 452  
 <212> DNA  
 <213> Homo sapiens

<400> 52  
 tttgggtgaat aaactaacag ctttattaat gaaggcaaac atcagatcat tgtatgaata 60  
 ttatatatat atataaaaag aaatccaaac taacagcatt gtatttcaaa agtactgtac 120  
 ttctgttttct tttaaagaga cttgtcatct gtttttataa aacaaaatgg gtactcttct 180  
 cctaaaaaat cctggaaaaa tgaaatagtc aatttcaagc tgatgaattg aacacacctt 240  
 tctttaaatg cagactattg ctaggaagca aataaagtca agcatcagaa agaagatgta 300  
 tgagaaatgc atgaaagtca gagaaaaggg atgtagtgaa attactgcta atctttcccc 360  
 cctatatcca aagaccatcc aaaactgggtc tttcatacaa atataaaata actataaaga 420  
 gaggggaattt gaaaccatac ccatctgaaa tc 452

<210> 53  
 <211> 497  
 <212> DNA  
 <213> Homo sapiens

<400> 53  
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 cgcttctctt ttcttcttcc tcaccttggt catggctggc tgttccatca gcagaacttc 120  
 cagcgattgc cacattcatt gcataagaca aaggtagtca tgggctcatc agcactgcgt 180  
 gtctgcacct ggttataggt gcagttcttc ttcttgcatt tgctgcaact gaagaggtca 240  
 gtgggtgggtgc cgccagtctt ggccatctgg tgcacacgga tggcctcctg ggtcatggca 300  
 ttcttcaact cctcagttc atcactggcc atttctcttg ccgtcatctt ggctataagc 360  
 ctgcgagat ggccccactg agcacgttcc gccgcaacgg gggttccttg ggtccttgag 420  
 gttgcttatg cggtgcgca cgcggttccg gtacttcatg tccgtgctct tgagctcttg 480  
 gtagatatga tcttcga 497

<210> 54  
 <211> 423  
 <212> DNA  
 <213> Homo sapiens

<400> 54  
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 gcagggctgg ggaaggggag gcggaggggg cgggtgggag gcaggtggag cgtgggagat 120  
 gtcaggtgcc aggggagtc tggccggatt ccacgctcc aggtgtttct accgcctgcg 180  
 gtcggacaga cggcggatgg agctgcggaa agttccctcc tcttcatcgg gttccccagt 240  
 cctctgctgc tggttgaact tgcaccggca tcttctgctc agcacgatga ggatgccag 300  
 gatgaagagg atcccggcga tgacgagggc tccgatctgc agggactggg agtcgtaagt 360  
 gaacgggtcg tgttcctttg gactttctgc cttggccatg gtgaggagac ccacacagaa 420  
 aac 423

<210> 55  
 <211> 400  
 <212> DNA  
 <213> Homo sapiens

<400> 55  
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 gcaatctctg cctccccggg tcaagcgatt ctcctgcctc agcctcctga gcagctggga 120  
 ttacagggtgc ccaccacgcc cggttttttg tttttttagt agagacgggg ttttgccatg 180  
 ttggccaggc tgggtctgcaa ctcttagcct cagggtgatct gcctgcctca gcctcccaaa 240  
 gtgctgggat tacaggcgtg acgaccacgc ccagccacgt tctgagtttt gaggatccag 300  
 aaacaaaagg ctggaaagcg acactttctac aggttttactg atgagtcggg agaaaatcca 360  
 aaaacaaaagc cccactgagg gtttgtgaat ttggctgttc 400

<210> 56  
 <211> 288  
 <212> DNA  
 <213> Homo sapiens

<400> 56  
 tttgacatct ctatatTTTT attgaaaata aaaaagtcac ggtgctttct tcctcataag 60  
 tggcatatgg acacccccag tgtgcccggg ctgcgttccg gtacaaaagt ctcagcagga 120  
 aaccaacctt aatggcttgt tgggtggataa gacggcatca acttgtagat ttgcccattg 180  
 agagaactcc caggagcaac tgtcctctct ccagtagacg cggcacgttg ctaagaaggc 240  
 agatttcagg atattcacat tcatgcatta cgtatctcac actacctg 288

<210> 57  
 <211> 299  
 <212> DNA  
 <213> Homo sapiens

<400> 57  
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 gttaacttca agacagcaat taaaatcacg gactggcagc tacctaggcc cctgggagca 120  
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<213> Homo sapiens

<400> 59

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<210> 60

<211> 436

<212> DNA

<213> Homo sapiens

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<212> DNA

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<211> 387

<212> DNA

<213> Homo sapiens

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<210> 127

<211> 429

<212> DNA

<213> Homo sapiens





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 <212> DNA  
 <213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 1511

<212> DNA

<213> Homo sapiens

<400> 160

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&lt;211&gt; 2558

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 169

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ctgccacaag	ccaccatgta	acccctctca	cctgccgtgc	gttctggctg	tggaccagta	2880
ggactcaagg	tggacgtgcg	ttctgccttc	cttgtaattt	ttgtaataat	tggagaagat	2940
ttatgtcagc	acacacttac	agagcacaaa	tgcagtatat	aggtgctgga	tgtatgtaaa	3000
tatattcaaa	ttatgtataa	atatatatta	tatatttaca	aggagtattt	ttttgtattg	3060
attttaaatg	gatgtcccaa	tgcacctaga	aaattggctc	ctcttttttt	aatagctatt	3120
tgctaaatgc	tgttcttaca	cataatttct	taattttcac	cgagcagagg	tggaaaaata	3180
cttttgcttt	cagggaaaat	ggtataacgt	taattttatta	ataaattggt	aatatacaaa	3240
acaa						3244

<210> 172  
 <211> 254  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 172  
 ctccccacag ttcacagtga ccttttgagag tgacaaattc aaggtgaagc tgccagatgg 60  
 gcacgagctg actttttccca acaggctggg tcacagccac ctgagctacc tgagcgtaa 120  
 gggcggttcc aacatgtcct ctttcaagtt aaaagaataa aagacttcca gccgagattc 180  
 tctgtcctgg ttcttcttcc gagtcacacc aggatcaaca gagcttgggt gtgttccct 240  
 atccctacct gcag 254

<210> 173  
 <211> 1763  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 173  
 ggggtacctc atgtgacaag ttccaatttc ttttcaagtc aattgaactg aaatctcctt 60  
 gttgctttga aatcttagaa gagagcccac taattcaagg actcttactg taggagcaac 120  
 tgctggttct atcacaaatga aacggctggg ttgtgtgctc ttgggtgtgct cctctgcagt 180  
 ggcacagtgg cataaagatc ctaccctgga tcaccactgg catctctgga agaaaacct 240  
 tggcaaacaa tacaaggaaa agaatagaaga agcagtagca cgtctcatct gggaaaagaa 300  
 tctaaagttt gtgatgcttc acaacctgga gcattcaatg ggaatgcact catacgatct 360  
 gggcatgaac cacctgggag acatgaccag tgaagaagtg atgtctttga tgagttccct 420  
 gagagttccc agccagtggc agagaaatat cacatataag tcaaacccta atcgatatt 480  
 gcctgattct gtggactgga gagagaaagg gtgtgttact gaagtgaat atcaaggttc 540  
 ttgtggtgct tgctgggctt tcagtgtgtg gggggccctg gaagcacagc tgaagctgaa 600  
 aacaggaaaag ctggtgtctc tcagtgtcca gaacctggtg gattgtctca ctgaaaaata 660  
 tggaaacaaa ggctgcaatg gtggcttcat gacaacggct ttccagtaca tcattgataa 720  
 caagggcac gactcagacg cttcctatcc ctacaaagcc atggatctga aatgtcaata 780  
 tgactcaaaa tatcgtgctg ccacatgttc aaagtacact gaacttcctt atggcagaga 840  
 agatgtcctg aaagaagctg tggccaataa aggccagtg tctgttggtg tagatgcgcg 900  
 tcatccttct ttcttctct acagaagtgg tgtctactat gaaccatcct gtactcagaa 960  
 tgtgaatcat ggtgtacttg tggttggcta tgggtgatct aatgggaaag aatactggct 1020  
 tgtgaaaaac agctggggcc acaactttgg tgaagaagga tatattcgga tggcaagaaa 1080  
 taaaggaaat cattgtggga ttgctagctt tccctcttac ccagaaatct agaggatctc 1140  
 tcttttttat aacaaatcaa tgaaatatga agcactttct cttaacttaa ttttctctgc 1200  
 tgtatccaga agaaataatt gtgtcatgat taatgtgat ttactgtact aattagaaaa 1260  
 tatagtttga ggccgggcac gtggctcacg cgtaatcccg ttacttggga ggccaaggca 1320  
 ggcattatca atcttgaggc caggagttaa agagcagcct ggctaacatg gtgaaacccc 1380  
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 tacttgggag gctgaggcac gagattcctt gaacccaaga ggttgaggct atgttgagct 1500  
 gagatcacac cactgtactc cagcctggat gacagagtgg agactctgtt tcaaaaaaac 1560  
 agaaaagaaa atatagtttg attcttcatt tttttaaatt tgcaaattctc aggataaagt 1620  
 ttgctaagta aattagtaat gtactataga tataactgta caaaaattgt tcaacctaaa 1680  
 acaatctgta attgcttatt gttttattgt cccgaattca gttgggttaa tatattgtcc 1740  
 tctgtaattt cgatccttct taa 1763

<210> 174  
 <211> 571  
 <212> DNA

<213> Homo sapiens

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<400> 174
tcgctgccat gaatgccttc ctgctcttcg cactgtgcct ccttggggcc tgggccgcct    60
tggcaggagg ggtcaccgtg caggatggaa atttctcctt ttctctggag tcagtgaaga    120
agctcaaaga cctccaggag cccaggagc ccagggttgg gaaactcagg aactttgcac    180
ccatccctgg tgaacctgtg gttcccatcc tctgtagcaa cccgaacttt ccagaagaac    240
tcaagcctct ctgcaaggag cccaatgccc aggagatact tcagaggctg gaggaaatcg    300
ctgaggaccc gggcacatgt gaaatctgtg cctacgctgc ctgtaccgga tgctaggggg    360
gcttgcccac tgctgcctc ccctccgcag cagggaagct cttttctcct gcagaaaggg    420
ccacccatga tactccactc ccagcagctc aacctaccct ggtccagtcg ggaggagcag    480
cccggggagg aactgggtga ctggaggcct cgccccaaca ctgtccttcc ctgccacttc    540
aacccccagc taataaacca gattccagag t                                571

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<210> 175

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> n=a,t,g or c

```

<400> 175
ggtatcttaa cttttattaa tgttggnat cacggttaat taatttaaaa tgggaaaata    60
attcaagttg ttagttgaaa gaattagaca ccagtgtttt ggtatcttaa cttttattaa    120
tgttggttat cacggttaat taatttaaaa ttgtggttta ttaatatattt aagttactct    180
catattatat tttattaatt ttttcttatt taaaaagctt gtctctgcca cttcctgtgt    240
gacctgggca agtcatttta cctctaagag cctcaaattt cctcatctat aaagtggaaa    300
tataaataca aagcttgtag aaatgtcagg aaaataaata aattaaatgc caaatagtca    360
atgaggggata ttaggcaaag gccagttttg gtgggcattt taacctatgg agactcagtg    420
cctctgtgtg tcccattatc acctccaaga catcctggca acaccaccgc tg                                472

```

<210> 176

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> n=a,t,g or c

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<400> 176
gatttttcagg ttttatttgc ctgttataat tctgatatta tgtacatata tatatatact    60
tttgtttttt tgtagagggc ttatcagtag accaagcaca ggcatacagg gaggctgtgg    120
ctgctgagca gtgctgggag aaccaatctt tccttttttt ttgtctgttt ttatttttcc    180
tgggatgggt tcatcaaagc taattgctat caatcctaga aaccacctag ggactcagac    240
atctgcctac acactagtgg cgtaaaggga aggacagggg tacaaacttt caaagtcacg    300
gtgtattttac attcccaagg tgggggcggg aggaggctga ggaagacaac tgttcagacg    360
ataggggagg gcagggctgc taaggggtcc tgggggggtg gggttcttcn gg                                412

```

<210> 177  
 <211> 490  
 <212> DNA  
 <213> Homo sapiens

<400> 177  
 tttttttttt ttttttttta cagagtggga aacaacttta atgagaaacc cagtttccca 60  
 gtttcccttt catttcaaga ctatgacatt cgcacttctt tgagggcttc cattgcctag 120  
 gtggcctttt tctttagatt aggcattctt agagctctgg gcatgggctt gtcttgccca 180  
 aaatgtcttt tagcaaagta atcatatatg ccaataggaa atagttagca aggcagatcc 240  
 acaagtaagc gcctttccct ggcgtgtaat aggcaaaagg gctcttcgcc aagatagcat 300  
 gctggatgtc ccgcagcacc ggagagaagt ccttgctggc taacgagttg atcaatagga 360  
 ggaaattccg ctgtgctaag atgtagtctt ggccgtagtc ttcctgtacc tcagcgggga 420  
 ggtggtccag aatgtccttc tccagctttt cccacttgtc actggtgcct gcgatatttg 480  
 ttaagaagcc 490

<210> 178  
 <211> 445  
 <212> DNA  
 <213> Homo sapiens

<400> 178  
 aaattttctt gatttttaaaa aatgtatttg tgttttgcag gttggaacgc aaaccagtc 60  
 tggccacgtc ccgtgaagtt gtggacaaaa tgtttcagtt tctgttcacc tctgtgcgtg 120  
 tgtgtgtatg tgttgtgtgc atgtgtgtgt gtgtgtgggg gtgggggatg gggtaggtat 180  
 gtgcttttgg ctcatgtttg tgatgataac tgaagtcttt tgtgggtccg acctgttgta 240  
 ggggtgtgggg gaaagtgaag gaagagaatg aaggtagtgc cccgccgttg caaaccttca 300  
 ccaaaccacg cggccagatt ttcgtgagta cccctgtgtc ccagagagga ggaccacg 360  
 tcctcggtc tgcgcaaggc tttcttggtc tgggtgggtac tcgaggcagt tgagaacctt 420  
 gctgagctga gcgggcacct cgcct 445

<210> 179  
 <211> 474  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 179  
 ctggttcaga tttttttttt ttaagatgta tccaataaca ctcacgaagt aattaaaagc 60  
 cactttaacc ctgctagtca aatagctatt ttatcaaaga tgtgtgcata cagatgtata 120  
 tatatatata cacacacaca cagtactgta cagaaacaaa catatgcata cctactatga 180  
 acggccaagg caagggggat gatggcaact tgactagatt ctgagaactg ctatttgtcc 240  
 acagatagca tgtcaatgtt gggatgggtt ggggagtgag cgtaggctaa gaaaaaaaga 300  
 gatgaagtga ctatgtgctt ttctttaaac ttagtagtta cagacatagt acaggactct 360  
 actnaataat tagtagagat catngaaagt ctggttggtat attgaccatg agaccaacag 420  
 agtgaccact attacttaat gcaacatttt ggaaagtcna caactgatgg gaaa 474

<210> 180  
 <211> 510  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 180  
 cactttataa gtttattagt ttacaaacga ttgcaacatc ccgttaataa aatggaaacg 60  
 taagatgact tagtatttta aataacttga agctctgtac tgtggctctt gttcataaga 120  
 aacactgaac caacaagcag cagattcagc ccagccaaga ctctgatgcc ccagtggaaa 180  
 tcactactca caagccttaa ttgatacagt tttacactgn tttgccaag anntgtacna 240  
 taccaactca nttaagagta ttntcttcag gaaacaattc atatcttcac atagtcatta 300  
 aaaagtttaa caatttaatg agtaggtttc cctatcacat tttggcaata tcataaaatg 360  
 gttttagaca tgaaagagct attatggatt tagaaggcct taaatttcct aaaccaatat 420  
 tgaacatcga ttaaaccngg tattggctgt aaatgggaca atatattggc caatccctgg 480  
 taaccctggg gccccaatat aggnaagtta 510

<210> 181  
 <211> 589  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 181  
 atagctacat actttattca aataccactg ggaggcaagg ggtaagaggc aagggcagaa 60  
 tgtacaggtc aggattctag tgtcttcagc ctgccgacag caacctgggt gctgggccct 120  
 gtgtctcctg gagccaaggg ttagggcctg agcagctgtc actctctggg aagcccaggg 180  
 agtggggctg actgagcagg ggccatagag cctagtaagg gaagaggagag ctggcaagga 240  
 gccagggag ggaggctctg tgaattgtct ctgattcctt tcctggagcc cctgcctcgt 300  
 cacctcctgg gatgcgtctc aaggctcatg aggtttagt ggaggaggac tgggggctgt 360  
 ttctcagaca aagaatgagg ttattggcac agaattggat cagggggcct ctgtgcaact 420  
 ccttcctgcc ttcagaaagg gagggggcat tnaagggatg agaactccac taagtccctc 480  
 gaanccccc atccccaatg aggcctctca aagctactct cagccctgag tgggagacac 540  
 ggccagctct gggcaagtct ctgggtggct agccttagca ctgtggcaa 589

<210> 182  
 <211> 465  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 182  
 gagggttttt actttttatt tggaataag acatggaagt tgcaaagata gactactcct 60

atgtattcct	ccaactttcc	ccaatgataa	tatctcacac	aaccatagat	tatcaaaacc	120
agaaaactga	ccaggcacag	tgggtgtcac	ttatagtccc	agctactcag	gtggctgagg	180
tgggaagatc	ccttgagttc	aggagttcaa	ggccagcctg	ggcaacacag	tgagaccctg	240
gctctataaa	caaaaatggn	agaaaaccag	aaaactgggtg	tcatcaattg	tgtttaagga	300
aaccgaggct	cctttaaaag	tttgttataa	aattatagat	atctcctaaa	tattgagggtg	360
gaaagattcc	cctgggaagc	agcctagtcc	agaaagttga	agacagtgc	atcccagata	420
ggttaatact	tctggccagc	accataatta	caccctcct	tnggt		465

<210> 183  
 <211> 442  
 <212> DNA  
 <213> Homo sapiens

<400> 183	
ttttttgttc	tcaaataat
gcagaaact	aaggtcagat
acaacctcct	ccccgaccct
ctgttacaca	gggtgaatgg
caggacaccc	ctgcccttct
atctcacagc	actctaaggg
tgtgcccctg	aggaagccga
cctcttcac	ccaaggagcc
	at
	60
	120
	180
	240
	300
	360
	420
	442

<210> 184  
 <211> 437  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 184	
tcaagagatt	agaaaaat
atgaaaataa	tattaaaggt
aaaccacaca	gtaaaactggt
gttttagaaat	tcatatatat
acataagatt	ttcatttaac
gaaggctgta	aaatcctggt
tagcaaaaat	acagtacttc
tggtttataa	ttatatn
	60
	120
	180
	240
	300
	360
	420
	437

<210> 185  
 <211> 316  
 <212> DNA  
 <213> Homo sapiens

<400> 185	
aacagaaaac	cggcaattgt
gagagcaaga	tataaaatca
	tatcaaccct
	ttagataaa
	tacaaaggac
	aatgaaata
	60
	120

cacaaaaaac aatatat	180
ttccattaag cactacatcc cactattcca tttttaggaa ggacagatgc ttgaggccat	240
agggtaccag ctcttggttg gtctttaaaa atgcaagtaa gttgctaaca ttttcaaata	300
agatttcaac ataact	316

<210> 186  
 <211> 207  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

ttttgagatc atctactcaa agtttattgg actgaacaga tacaaaatat ggagcagaaa	60
ggaaaaccca ctggggaggt agaggaaatg acagagaaac cagaaatgac agcagaggag	120
aagcaaacat tactaaagag gagattgctt gcagagaaac tcaaagaaga agttattaat	180
nagtaataat taagaacaat ttaacaa	207

<210> 187  
 <211> 687  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

tgcaaaccac accaatcat tttattgtgc aatttccttc taccagaaaa ttactaaaaa	60
tataaatatt aactctctaa aaaataactca gaatagatct gtaatcttcc tcctcctcct	120
cagaactgga gccaatcttc ttctttaaac ctgatggatt gcatacatgt atgtcttcca	180
tatcagccac atacacaaca ttcagatata cttccgtctg tgcaggggga tacaccagcc	240
tcctgccagg ttctggaagc tcaccttata atctaccagg ataaagctgt gtgctgagta	300
ggagggttatg gtgggggttg ggagtaacaa ggagataaaa gaccttgtgg tcccaacttc	360
cttatgtgga cagagaagat aggtccttta ctctcctca ttaccctgnc ctctcatgga	420
ctgggctaac tgaaggccaa gctcccagag aagctggact cactgtgcgg gattactgag	480
ggtgtggctg ccaggctaca gtcacaggaa ggncagactg ttgagatgga catggaaacc	540
aggtgaggct ttggatggna agctggtctg gggcaaagct ctgcaggatg agtagtagct	600
gttcggcggt gntttgggna gccccagacc ctagcaccag gtactatgtg cagcatctaa	660
gaccagnacc agtctccaag agcccc	687

<210> 188  
 <211> 587  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature



<223> n=a,t,g or c

<400> 188  
tcaaataatc catctaacag ccatgagacc actcaagtat ttgaggtcat cagctgcgtc 60  
catcaagaca tgatattgaa catggacacc atctggctctg ttggctctgtt tttgttggca 120  
aaggactcca aaaggatgca gttgtatgtg tttcagctga accacatacc atagctcctc 180  
tcccctcaca aaaggggttc tctgggggga gaaaagtaac tgattatacc tctcatgtct 240  
caaactgaaa ttctgagaag caaatggtca gttgagggcc ccattccaga tctgccggga 300  
cgtcctcaga tgtccagagc tggcaaaagg tggagcaggc agcagctttg ggcaccagcc 360  
tgtctctttc tgttctgata aggccacaca catggctttt tgtgataagc ttccagccca 420  
tgccactgaa ataacgttta agaacctggc tgcatttcac agaaatagcg taatgggaaa 480  
tcattatgta attaaacaaa gcatgaagct cattatcctt ttccttttaa caaaccttca 540  
atttcacatt ttagtgagaca ctgtggnttc cagagaatat atggatt 587

<210> 189

<211> 469

<212> DNA

<213> Homo sapiens

<400> 189  
atgtaaaact gactttttatt acaattaaaa aagaacaaag acaatttgat aagtgccttt 60  
aattacaaca tacctgctat ttacatgtaa tcatactttt atatatagct tgaataagtt 120  
ttattacatg taaactataa gatattacaa gttaaaactcc agtcttttct ggatattcaa 180  
ttgaaatact actggcagaa acatacagaa aacaaatacc catttcagtt cctcagggtac 240  
cattactggt tgaatgatca agatctggcc acagaagaga agtggaaata tgcatacaaa 300  
caaaacttat tcttaacatg actaacagta ttgttattta aacctaaac ataattaata 360  
attggatcat taaaaacaca acttcaattt atatagcacc tttcttccga agagttgaaa 420  
gcattcgtgc ttatctctat tatttcgttt gtccccataa catctctat 469

<210> 190

<211> 458

<212> DNA

<213> Homo sapiens

<400> 190  
tccgagataa gaattcactt ttatttttcc agaattaata ggaatgtcat tgtgctttga 60  
agaataaaca aggaaaagaa tgataaaaga gttggaaaaa tgagcagggg tcatgccaag 120  
taagaatgtg tacgatatgg taggtgtcat tggatgtta taaaatgtat tatgaaaata 180  
ttttgatgat atttcaaaag ggaaataatg ctacctaatg ataatatgaa aaaacgactc 240  
tggctgctgt agggagaaaa tataggcttg gagttgggag aagagtgaaa agaaggccag 300  
ttggagacaa ttatactaca tttagcttta ggaaggtgct gaaggagtca tggattgaga 360  
ttgttttcca agttttcagt tgaacaattt caatatgggtg gcattactta atgacatagg 420  
gaggccagag aacaaacaga tttggaagga tgtggtag 458

<210> 191

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> n=a,t,g or c

<400> 191

ttnggaggtta	cttaagagtt	ttacttattg	ctgttcttaa	attccttccc	ctaccacttc	60
ctcttgggct	tttttatttc	tcttggtgat	caatctcttt	tttgtgatac	ttttcattga	120
atcatctcga	ctcctttatc	ccatccttta	ctcgactcaa	actccttatg	ctgaactttt	180
caatccaaaa	tttctattgt	tttaggactc	tgggaagcag	ttgataaaaa	gataacacga	240
gctactgata	tggtcaggag	atgttttcta	aacaaattgt	agaaatataa	acatgaaatg	300
tggcaatgat	ccctttaatt	agatcattga	gcaataaagg	atatgaacca	ttagtataaa	360
tattcaattc	agtctttccg	gattgtgttg	ttagataaga	atacatccaa	aaagggccac	420
agatcgaggg	agaaaccaag	gaggggtgag	gtcatgggtt	gagtgttaatt	ggttct	476

<210> 192

<211> 582

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> n=a,t,g or c

<400> 192

ttttttttta	agtacttatt	tttctttatt	tttattttatt	ttcttttttg	gtgacatata	60
acttaagtgt	ggtaaagtat	ataaagggca	cagatcttaa	gtgtaccagg	taatgaattt	120
tcacaaattt	atgcatccat	ggtaaccgct	aatcagagaa	catttccagc	accagacgt	180
cttccttggt	ctctttccct	gtcaattccc	ctgctccaga	agcaaccacc	catctaattg	240
ctttcaaaaa	caggcacaga	gattcggtgt	gtctgttttt	gaacttcatg	cgaatgaaat	300
cttacagcat	gtcttcctgt	tgtctggcat	ctttagctct	ttatgtctgg	caaagtcttt	360
tatgtcattc	tatgtagcag	gagtttagaa	ccaactttat	gggcggggct	tgggtggctca	420
catctgtaat	cccagcactt	tggggaggcg	gaagcagaag	gcaggcagaa	cacgtgaggg	480
tagggagttc	cgagaccagc	ctgggccaac	ataatggaan	ccccatctcn	actaaaaatt	540
caaaaaatta	gcggggcntgg	gtggaagggtg	caaccggtaa	cc		582

<210> 193

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> n=a,t,g or c

<400> 193

aagagttgca	tatttttactt	tattttttatt	aaattaaaaag	ctacagtctg	gcagcgattc	60
cagaacaggg	taaggagggt	cctcacaggg	gtcagagaag	agcggagaaa	gacagactga	120
cggagactga	gacacaggag	agaaaggaca	aggttaaggg	agaactgtat	ctgatgaaca	180
cacacagccg	gctccatggc	gggtgacggg	gagctcacat	cagcccaatt	tctcctcccc	240
ggcacccgaa	gttcagcggg	ggagcagtat	gtggggggcg	ttaggaatca	agagaccctc	300
ccttccccac	cctaggtcct	tntctcggct	tggctcgtga	gcacagcaca	ttaccagaaa	360
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<210> 195
<211> 444
<212> DNA
<213> Homo sapiens
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cagcaciaag	taactgaact	ttcaaaattg	ggtagttcaa	tgaaacattt	tgtcaaccct			180
tagctctata	aagctctgct	gatggactta	gttgatggat	ttaaaaaata	tattgctgtg			240
tcaaatgttt	taacacaaaa	tgtttttttt	taaagagaat	acacatccaa	tcaactgaaa			300
ctgtgagcag	aaagtatgta	acctctttat	aaaaaccggt	atccaaattt	acaacattca			360
taatataatt	caaagtanag	agttcttaga	aaaataaaact	caattccttg	cttactgatg			420
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<220>
<221> misc_feature
<223> n=a,t,g or c
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141

<210> 197  
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 tgattcaaaa gcccaattaca gaaactatga acttgaccta attctgggtt ttgacaatta 120  
 tgagacagaa ataaagaaat cgcaagcagt tcttttcttt gcacactgac ctttttttaa 180  
 ttacatcatc ctctatgatg atgggtgcttt cacaactgca gctctcctgt atgtcaaaat 240  
 cattctgggt tccaggtaaa tggacaaagg agatttgcct tcagtgtcta gaaggcaatt 300  
 tacttttcag ctgccttaat tacctatagt ttaaagaaag gaatgccaca tatagggtcc 360  
 tttaaacatc taaaatgggg aggttggcct ccaaggggca ccattcccaa acatttgatt 420  
 tcaagtccca gaagcctttc atatatg 447

<210> 198  
 <211> 288  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 198  
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 aacctacacc gtgttagtat cattagagaa cacaaaagtt cagttggaat caaaagggac 120  
 agaagcctgt gctctcacag aagcagaaaa gcttaaacct tcaaaaccaa aacagagcag 180  
 agtttgcagg tttatattct gaataataag aaatggggng gggtaggggg agaataaaac 240  
 caacaaccaa aggaaagcat ttcaaattga aaatgccaaa ggaaagaa 288

<210> 199  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<400> 199  
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 agtatatgta catttctttc cacagcagca cttcattcat ctctaaaaaa ttttaacaaaa 120  
 ttaaggctaa atcagagcga gctgatagga aggggtattc tatgtggtgg tcttcttaaa 180  
 gaatgttctc ataaatatag gatgttctgc agacaagaaa taaaaataaa acatgctgaa 240  
 caagatacca aaaatgggaa atgcagtaga aaatgagccc ctttctacca atctactaag 300  
 aatcccaact cccctggg 318

<210> 200  
 <211> 231  
 <212> DNA  
 <213> Homo sapiens

<400> 200  
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ctattgtgct aggcatttga aagtaaaaag tataaagctg cattttgcgc tctcagtgag 120  
gtttaagtca gggaaatgag gcatgcacac aaaataacga gaaagtagta taatagctgt 180  
gatcattagt tatcaaaaata agtgaatgag ctaataatca ttgttagaat a 231

<210> 201  
<211> 460  
<212> DNA  
<213> Homo sapiens

<400> 201  
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cactgggtttt gtattttcaaa agttgaagga agatatccag tcattaaaca gtctacaaaa 120  
catatgccag taaattacat aaaagactat gtacaatata aaaagagctg aaaacagtct 180  
tcactgtaaa aataatttta aacaaacttt tcaatttttaa atatcatcta tagcacacaa 240  
acatcatgca aatggaaaaac taaatatact gcattcttta gtgtagccaa ataaattcag 300  
attgagacat cttataagta agggaaatgg ccattcaata cgattttttt ctctggcagt 360  
aatggctcta gctgggtgtt ttatgcataa agaacagcta tatttcaaac cctttttatt 420  
gtaataaata ctaaagcaac agaggaatac tttattaatt 460

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<212> DNA  
<213> Homo sapiens

<220>  
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<223> n=a,t,g or c

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gtttacaaaa gcaaaatcca acctctccag agctagaaag tgggaagggtg cccgggctgc 180  
aacacagcct tggggggagga tgaggccaca taattctctc tgcccacact ctcagaatgc 240  
cccaagaagt tagtagctac acaaagccaa gccttggggg aaaacctggt ccgtgggtgtg 300  
gactctccaa aatgcagacc caaccggang ccggggccgc ctttccatct ggaggcactg 360  
cagggcttct gaaagcggcc catcccagga gcctggcaaa cacccccaga gaccctcagg 420  
atgcgcagcc ccgggggcttt 440

<210> 203  
<211> 210  
<212> DNA  
<213> Homo sapiens

<400> 203  
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gcataaagat ataaattgct tcatttttaa ctaatttagt gtttttttaa attatatgaa 120  
cttttggtga attatgaact gtaccaaacc aagattttta agagcaatat ggtacaaaaa 180  
taagagcaga cagacaattt ggactgggac 210

<210> 204  
 <211> 529  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

<400> 204  
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 cattacccaa gctctcgtg tttccccctca cccccctgcag agtccagcag gtctagatac 180  
 gtgctctttg aaatgtgttc tgggattaaa aatgggtgcc tgaggctgtc taaccctcac 240  
 aaaagacaga cacatgcaca cacgggcctt ggggagggct gtgtattagc agtcagggtg 300  
 gccctcctgg gagagcttgc tcaagaactc ttctcggaag gaaaccacc ttaaggtagg 360  
 gttctgatag gcagantccc agagggacag ccagctgcta gaagatgggg ttatccaggg 420  
 tttgtaaggt ttaaacaacg ggcagggagn caaacgagtc aaatggtttc ctctgcgaa 480  
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<210> 205  
 <211> 445  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

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 agttgtactc agtttgggct aagcagttag caatctcctg gtcacacttg cacaacagtt 180  
 cttggcattt gttctctgcc ggtccgcaca ggacgctctg attgacgcac tgccaggagt 240  
 agegctctgt cttggggctg cagcggcctc ctgagctcga gtgtaacaac agtcgtggcc 300  
 atggcagcac cagtcaatgg catcgcgggg ctggccatgg cctcccaagc cacaaaagca 360  
 accatatttc atataggcga tgggggttcg gggaccaaca caacccccag ttctgcccag 420  
 tttccaggat cccangccgg tggnt 445

<210> 206  
 <211> 197  
 <212> DNA  
 <213> Homo sapiens

<400> 206  
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 ggcaaaactgt aaaagtatac ataagtgcaa atatatcctc cttttaaaat acaagcaaag 120  
 tgtgagtata cacggtcata aaaatatctt taaaatatgg tggtagaaaa caaccttgta 180  
 aaaacgttgt attgtcc 197

<210> 207  
 <211> 413  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

<400> 207  
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 ccatcctccc ctgtctgctc cccatctcaa gtccaattcc aaggccagag ccctggcagc 180  
 ttttctggga gacagcatga aaaggagggg agtggagatg gcagagatgg ggtggagcca 240  
 gtgcgctgtg ggtcctgttg gcgtggtgat gtgggggcca atcctgaggc cagaggttca 300  
 tcaccgtgat ctggaagccc acggggcccc tgggtagaaa cttgggaaga acaaaggggg 360  
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<210> 208  
 <211> 256  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

<400> 208  
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 cagtagtgag attactaaag antaaacaga aatgccttgg gaaattattt ttacaccggc 180  
 ttgaattgaa acattaaagc aaaatgaaaag ctgtaaggng ttactagtt ttcccaaagt 240  
 cgttgtcaag tttatt 256

<210> 209  
 <211> 331  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

<400> 209  
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 ggggtgctag tccaagggg tggactgtgc tgtgctagtg ccctaaatcc tgcaagcgcg 180  
 ggggtggggg ggcgggggag accgctgtcg ggggtcgtga gttccgggcc cttgtgtgca 240  
 tgttcacgtc ctgtcattct tgccccagc tgagagagca gtagaggaaa ggcactacat 300  
 ccaccagcct ttgcattctc ctcggagcac a 331

<210> 210  
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 <212> DNA  
 <213> Homo sapiens  
  
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 <223> n=a,t,g or c  
  
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 atttgggttt atgtattgta cttttaatca cttactgaga atatttcaaa tttatattct 120  
 catcaggaaa atgtaaaaaa gatactgata tatattctat gatttttatg ccacaaacac 180  
 ccctgttatg agatcattta atagggaata caattatact gacatctctt gttccnattt 240  
 tccccattag gatataatcc atacaacttc aaggataggt tttaaaaata atccattcag 300  
 gggtattcnt aaaattttgc ccnataaaat tnggccaaagg tatggccctt ctggttaatt 360  
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<210> 211  
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 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
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 <223> n=a,t,g or c  
  
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 tactacagct tagagtagct gctatgggag tgtggccttt ttgattaaat actagctgat 180  
 caaccctaga atataaatnc ttgttttata acatttagat ttaaataaca atanggaatg 240  
 taaggcncca tgaaggggcaa ggaatgcctt tttgttttgt tcaactgctgg ggtctaaaat 300  
 aatgccgggg ctcaaatatt tgttggantg aggtaaatat ggctggact 349

<210> 212  
 <211> 355  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <223> n=a,t,g or c  
  
 <400> 212  
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 aagacatgct ttctcttacc aaagaaaatg gcacgtttta tcaaaatttg acaattcaga 120  
 gtaaagggtta ctgagattaa gtttcagagc accaacttaa acaaaaacaac caaaaaattg 180  
 ttatccaacg tgggaaagag ggagcaagga accaagggga taaaggggga attaaatatg 240  
 tgttccntcc catctccaaa atccttttag ggggaataggg agttctgggc cncctgtgag 300  
 gccaccacat tgcaccccc aacccccatt ccaggatct taaattttcg ggntg 355



<210> 213  
 <211> 385  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 213  
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 agacatttac ataaatttaa ttttggaag acctaggcaa agtatacatc attagactca 120  
 atgggagaaa tactttatgg aagataaatt ctaacgggca cagccaaagt aacaaaaatg 180  
 tacattttaca tacaactgat ccaaacagga agtaaaagcn ttntggaaaa anggancatg 240  
 ttgcaantca tttccccctg gacaaangga gggntctgcg tgatttacag gcaattcaat 300  
 tgttttccac ntttttaaag gcaagcctgg cttctacagg tattttantt ccttgggggg 360  
 gagtttcacc tcntcttttt tcccc 385

<210> 214  
 <211> 294  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 214  
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 aaatcaggaa atctaagggg acatgttacc caatcacac agctaataaa atgcctccca 120  
 ttacagaccc agctttttta atattcaata acattcacag aattggcaag ttagtctcca 180  
 aaaaattcta acagaaactg caactcaaaa agtgtgtcta tatcagagat ggtggttaact 240  
 tcctcaaaga agttacatgc aaatncccag ggggtctcatg gtttacaagg tgac 294

<210> 215  
 <211> 368  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 215  
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 ttagttgttaa ttttaaagaa ttcctcaaac taaacttgaa ttaagcata agcttatgct 120  
 tacagattac tatttgctag cttactaatt attatttgaa ttaagcagta agaactaaaa 180  
 ttttaagtttc ttaggtttta cagattgatt tgaaggcat gctgtcttgc taatattgaa 240  
 ataaatttat ttcttaaaaa ttattatttt actgggtta tgtcagaggc aggnctgtg 300  
 gttcttgagg gnagggncaa gtttcttctc agggatcntc caaaatgaag gctctcaccg 360

ttctgccc

368

<210> 216  
<211> 235  
<212> DNA  
<213> Homo sapiens

<400> 216  
gacttacagg ggaactatat atgtatatgt atatatttatt aaacacccat ctgcactatc 60  
agtattgcac taatgtggaa tttgaaagac tattttgctg atactgtata tatgcgcac 120  
attcctgatt agattgttgt aaagacaatc tgaaagatct aaggttttaa aataatttgg 180  
tttgaaaata tacagttgtc ttgaaggaat tgctgtgata catgaaaaaa aaaaa 235

<210> 217  
<211> 195  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 217  
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atggcagtg ccttcctgag taagacatga atgccatctg gnggntccat ttgaaactac 120  
agtgcagtaa ccaaagancc taatgttttc aagcataaag gnacttttng tgaacaggtg 180  
ggcaacacag gcagg 195

<210> 218  
<211> 343  
<212> DNA  
<213> Homo sapiens

<400> 218  
taatggttaa ggaggaaggt ttattggctt caattcccca gttgatgttc aacactttat 60  
ttagttctca tttggatttt aaacatttgc ttgacaaata atttcccatc aatttccatt 120  
tctttggaaa gctcccacgt gtaatttatt tttaacatct ctgaagagca gaattaatga 180  
tatttcctag ctgttgetcc agatcatgta gggtagagga ggctgaaaac tgctacaagg 240  
gaaggcatct gtattgtttc aaaacgtcag gacggtagcg gatactcttt ccagagcgac 300  
gagggcctaaa tcccttcatt tatttttttc aaaagggtaa aac 343

<210> 219  
<211> 312  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 219  
 ttttttcggtga gaagaacttt tattgaacag taagattcaa gatttcacca gggtnagagg 60  
 ggggaattgaa aattagtaga aaaattccaa ggggaccagt tagccacaac aaagaatggg 120  
 gttcagggaa cttcttaggg atgtatcttc ccctcaatac aggttagagga gcagcatcag 180  
 aagcagggct ttggagagag gcatagaaga gaatcacctt ctccctggccc acgcaagcta 240  
 cctgggtgta cctntcaagt tcagggccag cttcttggtt cttccccgct cttggtagat 300  
 gtaaaagggtt tc 312

<210> 220  
 <211> 282  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 220  
 agactttatt caaagaccac gggggtacgg gtgcaggaag gggaggaggg gctgggggga 60  
 ggccaagnaa ngaagcatgn caccgaggtc cagcttcacg gtatttggag gtagcacggg 120  
 gctcacagaa agcaggaact tgtccagggg ggcgtcacc aggggtgaact cggcggggag 180  
 gtgggcgcca gggtcaccag caggcagtggt cttaggagct tgaagttgac cgggtccacc 240  
 caagcttggt cgcgtncacg gtctntcaggg ngacangcgt tg 282

<210> 221  
 <211> 493  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 221  
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 anaggtntgg gtaggagctg agtggccact ggggtgaagg gagacagagg aggcctntgcc 120  
 agcaggntcc tatccagatg atacatgaga tggaggctcc tcagccacac tccagggagg 180  
 gtgggggtggc aaggggggatt cagggataat ggcattaata atacaagtgg taaacaaata 240  
 accaagagggn tctggctggg tacgntacac aaaanttagc agtaagagtc cgtgctttca 300  
 cattcctatc agacagatct gagttcaaat cctgtatgtn tagcaggggtg aggtatctgc 360  
 tttcttttcag agcccatggg tgcacatctc tgagcctagt tacaacagtt ggcacatagg 420  
 tnggtgacaa ggagggcagc tctttgattc ctgnttgctt ccacagcaca gagagttaag 480  
 tatggctggg nta 493

<210> 222  
 <211> 305  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<223> n=a,t,g or c

<400> 222

ttaattatng	atattccccc	tcaccgccct	cagggancgg	gagaagtcac	acgaccatag	60
ggagcttgga	cttggtgggc	gtcacgggtc	tggcagacga	gggtctttcc	aggaacccct	120
tgctagaatc	agccctcata	caagtgtgct	cagagatccc	aggagcgatg	gcatcctccc	180
gaagtcacta	cccccatatg	tctccttggg	cttcttcccc	ctctctttct	ggaacctgac	240
caggcagaac	gcagcaactg	ncagcaacag	cacgcccagg	gagcacccca	atcagagntc	300
cggcc						305

<210> 223

<211> 263

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> n=a,t,g or c

<400> 223

cactcaataa	ttttaattgt	cctaaccctc	aatttcactg	attcccttct	tctgcctgcc	60
aaatctgcct	ctgaaaccct	ctattgaatt	tttcatttta	gttactgtac	ttttcagctc	120
cagaattcct	tttcattttc	ttttcaggnt	ttctatctct	ttactgttat	ttccattttg	180
ttaatacatt	ttgtcttgat	gttccccaca	tactccttta	ggggctttca	atgtctttta	240
cacagntggg	tttaagggct	ttg				263

<210> 224

<211> 2263

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> n=a,t,g or c

<400> 224

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gatgaattat	ctttaaccaa	ttgttcagtt	gtgaatgaaa	aggatttcca	gtctggccag	120
catgtgattg	tgaggacctc	tcccaatcac	aggtacacat	ttacactgaa	gacacatcca	180
tcgggtgggtc	cagggagcat	tgcattcagt	ttacctcaga	gaaaatgggc	tgggctttct	240
attgggcaag	aaatagaagt	ctccttatat	acatttgaca	aagccaaaca	gtgtattggc	300
acaatgacca	tcgagattga	tttcctgcag	aaaaaaagca	atgactccaa	cccttatgac	360
accgacaaga	tggcagcaga	atatttcag	caattcaaca	accaggccta	ctcagtggga	420
caacagcttg	tcttttagctt	caatgaaaag	ctttttggct	tactggtgaa	ggacattgaa	480
tccatggatc	ctagcatcct	gaaggagag	cctgcgacag	ggaaaaggca	gaagattgaa	540
gtaggactgg	ttgtttgaaa	cagtcaagtt	gcatttgaaa	aagcagaaaa	ttcgtcactt	600
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<213> Homo sapiens

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<212> DNA
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 <213> Homo sapiens

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<210> 257

<211> 6661

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

<400> 272

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# THE UNIVERSITY OF CHICAGO

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gccatgctgt tctgggtctc agccctcatg gccgtggcaa ttggacagcg tcaacttcct 360
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<210> 287
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<212> DNA
<213> Homo sapiens

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<220>
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<223> n=a,t,g or c

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tgaatgcact cagctgcccc tgtccccccc accctgggtg actggggaag gacaggcaga 180
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accacacaga ccntacangg ggg                                     263

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 gtacctcaaa cactgggata aaggaggcgg tccaggggcaa tgcagtgatg tctgtcaaga 180  
 cattccccct cccctaaact cagtagcagt tgaggatgac atttcaggct agagagaccc 240  
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 agcttcatct tctgattgtg ggctttggag gaacgagaga actggctctt gggcactgtg 360  
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 cagagctgca gggctgc 437

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<212> DNA  
<213> Homo sapiens

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 caatctgcgt ttacctttgc acaaattggat aaagcattta aaaattaaat taacaggata 240  
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<212> DNA  
<213> Homo sapiens

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 ctgggtatgc taacgttcct cgtgc 445

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<211> 425  
<212> DNA  
<213> Homo sapiens

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atgcg						425

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<210> 294  
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<212> DNA  
<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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 ggctggctgg ggaacgaagg atgggagcct ctcccttagg ccagaaatcc agcagatttc 180  
 agactaagaa gagtttgggt actaaatcta ggtattctgg ctgagtgtat ctgggtgggc 240  
 cagctaaaaa taaacctcat tgaactccag ccccaacca gagaaacatc cagaagagcc 300  
 ttgaattagt gatccaaaac ccagggggaa aggcgacatt ctacccccca gcacctcctt 360  
 cacctcacct caactcctac tctctcggtc tc 392

<210> 341  
 <211> 353  
 <212> DNA

<213> Homo sapiens

<400> 341

tttattttcat	aattctcctt	tattaggcac	aggtaaacad	acatactcat	ggtatccaaa	60
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actttccagg	tggccacagg	acagaccttg	cctaatacctg	tccctcaacc	ttgggtgctca	180
ggtcagaagc	ccccatgggt	gacaggcctg	gccctcattc	cagaacagtc	ttgagttaga	240
caagaactag	cctcatagtt	tggattctta	tctctggccc	aaatcccagg	cttaggctgg	300
aaaggagaat	ctcttaatca	agaggacaga	gatgctgggg	aacacagttc	cca	353

<210> 342

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> n=a,t,g or c

<400> 342

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ctcagcaata	tacatatcat	gctttcctca	ttattattga	tccatcaata	aatatacaaa	120
aaccagagga	agggtgtgct	ctgaaaagtc	aaagtaacaa	taacagtggg	cattgtacag	180
cacaagaatg	aacaatgggc	tattctttga	aaactcaaaa	caaagtattt	acacaaagac	240
atatctataa	cataaagggt	aatggaccat	gttattctta	ttcttaagta	cattttgctt	300
ttccagataa	gtcaaagtgt	tcctctctcc	tactcctctg	atataacagt	attgaatgaa	360
tgttggctac	aaaatcaatt	cttggtgttg	ttatgaatct	caatataaaa	cttttgga	420
ggttctgcta	gaaaagccn					439

<210> 343

<211> 521

<212> DNA

<213> Homo sapiens

<400> 343

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agacctccac	aaaagcaatg	cccagggccg	ctgcagccac	cagcagtatg	ttcttcctta	180
gccatattgc	tatagtctcc	acgcagccct	gggtatggat	agtggattcc	ttgaaatcat	240
tcccacagcc	cacagttatg	ttgatgcagc	aagaatcggg	gactctgtcc	ttggccatgc	300
cggggatgtt	ttcccagtct	gtgtagttag	aagctccaca	gcagttattt	tctttctgca	360
atattgtcaa	aatagtggct	gttttgttgt	ctttaaggta	attctggcat	ctgctggctg	420
ggaagctttt	tattaaactc	tgacttcacc	tggctctctaa	acacatagcc	agcaatgggc	480
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<210> 344

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature  
<223> n=a,t,g or c

<400> 344  
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ggcagagaat ggagagtgg gctaccacat gaagcgtcac cagagctgct ccctgctgcc 180  
tgctcagagc accccggatc cactgttcaa tctgcacaag attcgggggc cagacatggg 240  
agacttcagc tgcctcagag gaccgtggac agggaaggcc agcctcgcat ccctctgtcc 300  
atgcctggaa atgactttta ttaacccaag agtttttaaat ttttggaaant ttgtaagctg 360  
tcggttcacn tttttaaccc acccattcaa ttaaaccntt acaggaattg gcnaaaaaaa 420  
aaaaaa 426

<210> 345  
<211> 345  
<212> DNA  
<213> Homo sapiens

<400> 345  
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aagtttaciaa gcatgcgcgg acttgagtgc tcattaggtc gccgggcgtc cacgtgcagc 180  
cctggaccct gaaccccggc gtgcgtgggc cgtgggctcc ggggaaaggc tccgtgcact 240  
cggggactcc ggtgaagcct gttcagccgt ctgtgtatgt gccatcttga gtctactctg 300  
tcgtctttgt gccctagacc ccgagaaccg tagtttagca aatga 345

<210> 346  
<211> 374  
<212> DNA  
<213> Homo sapiens

<400> 346  
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ctgagtaaca gaggggacca cgcagccacc gacagccctt ctctgcgggt gtctgactgg 180  
acacacttcc tgaaatcagg ccgtttccct ccgcgtgcat tggttttgggt ctgtctttca 240  
gttctgtttc aaactagtgt aacaccacgc tggctctaat gtatcttttc cacttattgt 300  
taatattctt ataatacgat tttaaaaatc tcgccttttt atattgtatt tatgcttctg 360  
tcttacaatt tttc 374

<210> 347  
<211> 447  
<212> DNA  
<213> Homo sapiens

<400> 347  
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ggccagcccc tggactccag agggccacca tcattgttaa gagacctaca tgcataaacc 120  
aatcacacac gtgctatgag aatagagaaa agaaataagt aattctcaca gacactgaca 180  
aactggaaaa aacttctttc atcccaggta ctttatggct gggatcaaag ggggtgactca 240  
cttgttttgca caggaaacaa aaggcaaaaag gaagtgttgg catcagtttt ccatctgcac 300

atataacccc	cattcctcca	tgaattgcat	gagatagggt	tcattttctc	ctgggtggcct	360
gtctggaagc	cgggctcctc	atagagtcta	gatagaagac	cctcctctcc	gagcccatcc	420
ccctcagaag	gctcgcaggc	ctctgaa				447

<210> 348  
 <211> 367  
 <212> DNA  
 <213> Homo sapiens

<400> 348	
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cagaagacag	aaaacattta acaaatccaa agcaattaaa aatagccaca aaaaaagaga 120
ataacctaga	ctgacagctc acagagcaag gaggtggcag agacctgccc aggtgagctt 180
ggctgttgcc	cccagctcaa tcttctctct ctctctctc tgtcccttca cctctgatca 240
gtcccagcct	gattcccggt ccctgatgcc tcaccttctt gctgccagat gcctctagga 300
actagggtcc	ttcagactcc agatgccttg gcctgggctt aggacatctt gacttcccca 360
gtggaca	

<210> 349  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 349	
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cagggcagac	tcccctcgca gcacagacag ctgaggcccg ggtgctgggt cctctaggta 180
cagctttggt	ccttgtgggc tcagaggtct gcctttcgga aacttgctct gttcaaggag 240
ttcctgaggc	cgggtggggt ggggtgccatc agctggggca ggcgctgggt aagcaggggc 300
tgcaganctc	ccgcagcggc agtagttgag ctccagctca cgggtggtact ccttctggtc 360
cggcccaatc	agggttttat ttttccgcag cgcctcctca catttcttgc agaagtcctt 420
gaagccctcg	tgcc

<210> 350  
 <211> 416  
 <212> DNA  
 <213> Homo sapiens

<400> 350	
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tacaaaagtt	attggattac tgcaattctc agaggcacia aacctgacat ggtgtgatat 180
agtatataat	cagtcacggg ggggaaaaga acattaagtc tttaaaaagg cttaggaaga 240
cataaacagt	aaatctttgt ttttctacct tcctttggac agtggttatat ttcactttct 300
tctttgcaaa	atgtttccaa attcatttgc tcaggattta ttttaagataa taacttaaaa 360
ccactaacag	ttggtttatg ctatatgcat atcatgcatg gttcctactg ggttcc 416

<210> 351  
<211> 282  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 351  
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 tggatTTTct catgtatact tcatttattt tattaataag caaagccctg taaggggagc 120  
 ctttgccctag tcctccgact cngattcatc ttcatcttga ctaatctgga agtaacgaag 180  
 ttcgtaggtc tccttgtcag atgcaaccac tcgaagccaa tcacgaagat tgttcttctt 240  
 aaggatTTTc ttggttaaggc atttcaaata ccttttagag aa 282

<210> 352  
<211> 515  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 352  
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 aacaaactgt gcttttaaata ccaaacaagt aaatcagaaa gcttattttc tatttnnnnt 120  
 atatctaaga cacacttnta taanaagaaa acagaccctc ctaacatgta ncattaccgt 180  
 tcgtggcaat tgttctcaac ctttactctt ccttttgacc ttngcattaa gctcctttgc 240  
 tcacttctga gctctcagtt acagttcttg aggtggcatc ctaaccaatt tgcactatct 300  
 ttccaggtgaa gcgctggata ttaccagat aattgaactc accaaaggct ccttggaaaa 360  
 acgaagccag cctgggacca tagcactgcc tgggnggctc tgtatttgct cccgtggagc 420  
 ttcatcgggg ggtggtncag gctcccaaaa ctcaaggcnt ttccaggctgg tgnctttttt 480  
 gcaaaaaggg gccttgccctt aagggccagc ccatt 515

<210> 353  
<211> 292  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 353  
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 attgggccat actcactgca gaagataaga cttcctcaga atcttattcg tttagtgcac 120  
 tcaatttttac ttactgtct catcacttga gagactgggt aaggcaagaa acccattttt 180  
 taacattttt tttattttca aacatttgaa aagcaacacc aaaacgtatg cagttaattc 240  
 ctcaattctt tcccttagna tagcactttt taaattacaa aaccacactt ac 292

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ggaagcggaa	ccataggcat	gctgcggccc	cagatgagcg	cggaggggcaa	gcaggtgccg	300
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aggtccctcc	tgggcctcag	tcacatccct	nagaaanact	ggcggctctg	cccgagangc	420
cagggtntcc	accgagcctg	gctgaagcag	ctgtccccc	ccttnttgca	gagaggctca	480
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<220>
<221> misc_feature
<223> n=a,t,g or c
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<210> 358
<211> 476
<212> DNA
<213> Homo sapiens
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cccgctcct	cctcgctggg	tagaactaac	tctaaaacac	caatatctca	acactgaacc		120	
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gactgctcct	tgctgggttt	ctctttattc	atctttttca	tcttcacctc	tcgattctga		360	
aaccagattt	tgacctgccg	ctcggtgaga	ttgagaaccc	gggccacctc	ataccgacgg		420	
tccttggtta	aatacatatt	qaagagaaac	tccttctcca	gttccagcgt	caqgta		476	

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<210> 359
<211> 264
<212> DNA
<213> Homo sapiens
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<400> 359
aagattttttt tgtttatttg gtatgggggtc ttctgtagct cacacaaaat tattggggaaa 60
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cccaaaggcg agggacctgg gaatccgagg ggtcccggcc ctggcggtca cttgccccagc 180
aggaggcccg cgcgcacacg cggggcacgc ggcggatgg cagcgagacc cgggtgcgcg 240
gcacaggcaq gctcccggcc gcgc

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<210> 360  
 <211> 419  
 <212> DNA  
 <213> Homo sapiens

<400> 360  
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 acaaagtgtc caaagttgac attacttgct tcaaagttag tttaaggcaa gtaaatacta 120  
 actactgcga ggtggaaaat tgcatgaaga ccctgcaacg tcattcactg aggatcttct 180  
 catccttttc ttttttatct cgtgcccctt gtctatttca aatcatcagg cacattcatt 240  
 taataattht ccaagcaatt tttaaaaaga cgtttgggag tgtgtaaaag tttagtgaat 300  
 ttcacactaa aacttggtgt cagaggtaca tgggtgactat ctccacacag gcagagctgg 360  
 gacccaactt actaaacctt cacgtgagaa tcttctattt ttaaggctga aggatggca 419

<210> 361  
 <211> 472  
 <212> DNA  
 <213> Homo sapiens

<400> 361  
 ttttgtgaac atagcagagg aggtttaata ggataagtca gctacatttht taatgtttatc 60  
 aacttatcat taatgtgtat acattagcgc cctactgaaa ggaagtacca gtctttgggc 120  
 aaaacttaag agattccttg aggaacctac ggctgaacc ttaaaaaaaaa aatctctaaa 180  
 gaccttacag tctgctgctt taccatttca ttttaattat caacactgga gttgcaattg 240  
 gctaagttgt caactgtatt ttaggagtct accaatgtgg cactcagaat cggagtgaac 300  
 atcagtgaac taaagaggta agattttgtgg aatactttag tccaaaagct ttaaaaaact 360  
 attagaccat atattctatg tttttaaagt gaattatgca taaaagtctg tgcaaaactac 420  
 aacatgattg cagtaacatt ctcaagaaaa aaaaaaccct agtatacttht ag 472

<210> 362  
 <211> 314  
 <212> DNA  
 <213> Homo sapiens

<400> 362  
 tcgtgtgtaa taaagtgggt caaccatgat taggaactga aatttagtag aagagggaaa 60  
 aggagttaat gtaacaaaatt attttagcta caaaccccggt taatagagca cttgggggat 120  
 gggatgggggt ggggttggtga gacaatcaga atggtaaatt gattaaatgc tcctaaccct 180  
 gtaatthtgt gcatagagca ccctatgctg tggaaataac tgttcttaga tttcattgta 240  
 actggactgt tcagggtgcc cagaggaata gaacattcct aattctaata aaataaactt 300  
 ttattthtgt attc 314

<210> 363  
 <211> 454  
 <212> DNA  
 <213> Homo sapiens

<400> 363  
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 gtgtccaaca ccaatgtgac aagtacatat atcagaatca ctctttcctc agagaatcac 120  
 acctccctt ggctctgcat gtggatccaa atcaagcctg ggtgtgtctg acaataccag 180



ggcacggttt	gcttcccggc	cctccatctc	tactgtttgg	ctacagcttg	agttcactag	240
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tgccgggttct	gtgggtggca	ctgccaatgt	ggggcagaat	cacacagttc	ttcaggggtca	360
ggagaggggtg	gtttgttaggc	agtgggttctg	ggctcgtcac	atccagtcca	gcagctgcaa	420
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<210> 364  
 <211> 425  
 <212> DNA  
 <213> Homo sapiens

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tggttttagac	acagttcagg	120
taggggctaa	aagcatgtta	180
ccccaccct	cttctgccct	240
gagccaccac	agaaaacaga	300
cagccacagt	cacatccctt	360
gcagactgcg	aagtcagcct	420
tgtgt		425

<210> 365  
 <211> 411  
 <212> DNA  
 <213> Homo sapiens

<400>	365	
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tttctgcatt	gcctgcagcc	360
cagtgcgggc	aggatggcac	411

<210> 366  
 <211> 261  
 <212> DNA  
 <213> Homo sapiens

<400>	366	
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agcagatgct	gaaggcagag	120
aaattccaaa	gtcctttctt	180
agggtgttca	gagagccacg	240
aattcctcca	gtgcccttta	261

<210> 367  
 <211> 388  
 <212> DNA

<213> Homo sapiens

<400> 367

caattcctat	gtattttatt	ttatgcattt	aaaaaacatt	attctaggcc	gggctcagtg	60
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<210> 368

<211> 591

<212> DNA

<213> Homo sapiens

<400> 368

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<210> 369

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> n=a,t,g or c

<400> 369

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cctcaaaaag	atataacccc	cagaacctca	gaacgtgacc	ttatttggaa	atagagtcac	240
aacatatgta	attagttaaa	attagtcac	attggagtag	ggtggacact	aatccagca	299

<210> 370

<211> 203

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> n=a,t,g or c

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tgtgaaaatg tgcaccacac tgcatatata gtagctgagt aaatgtaaac catgngctta 180  
ttaactcttc tatataaaat att 203

<210> 371  
<211> 545  
<212> DNA  
<213> Homo sapiens

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aggct 545

<210> 372  
<211> 332  
<212> DNA  
<213> Homo sapiens

<400> 372  
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caagttatat ttctgccttg agtacagata tgaaatagca caaactgtac tctgaattaa 120  
gcaaacagaa tgaataaaaa aaaaatattc tcccaacctc agtttccgtt cctcatttcc 180  
acttgcttca gactctttct attgaacata tctagttaaa tctctaattg acggcctgtg 240  
ggaagattta ctgccaacag ggtatgactg acttctttcc ggacactgag caggggactg 300  
tgggctctga agcagtttac ttctgtgga ag 332

<210> 373  
<211> 142  
<212> DNA  
<213> Homo sapiens

<400> 373  
caaacctggc gtctatacca acatctgccg ctacctggac tggatcaaga agatcatagg 60  
cagcaagggc tgattctagg ataagcacta gatctccctt aataaaactca caactctctg 120  
aaaaaaaaaa aaaaaaaaaa cc 142

<210> 374  
<211> 414

<212> DNA  
<213> Homo sapiens

<400> 374  
tggggtaaaag tttaaatggaa aagccgtgga aacgttgagt tcacaaacag gacttcccgt 60  
gcaactgtcc agccagacct ggggcagctc ctggggaccc tgcccccttc acacacaccc 120  
atccccatcca tgggtgcctga gaggccttca tcttcagttc cctccaccag atcagttggg 180  
catgtttgggg gcagagatgg aggggttgtt aatcacacta ggctctgtaa gctgagaaga 240  
cgatcctgca caggggtggcg taacagtctc ctccctgccag ggcacctgca gggcgagaag 300  
tcacatgcca gactgaggca tgcttgcgaa cactagcctg gccccagcag caggggggtgc 360  
tgaggaggct gcagcttttc cccatcttgc tgaattattg atgggccttg cact 414

<210> 375  
<211> 528  
<212> DNA  
<213> Homo sapiens

<400> 375  
gatatcattc caggctttta gtttcttaag gagcaaaaca gcttccttgg tcttcttgta 60  
gccttcaact ttatcttcaa ctaccaaagg aagttcagga acttcctcaa tacgatgacc 120  
tttagacatg accagtgtcg gtagggtcga ggcagccagg gcagaacaga tggcgatcgc 180  
tttttggtt gtgttctcctc tacgatgcca acggcgccag gttttggttg gtgcaaacat 240  
tcggccttca cgacacatgt ttccaaaagc accctggcca gaacgggtgag tcccacaacc 300  
tcaaactctg gggaattccg agcacagctc tgccagtacc ccaagactta gcactagtct 360  
gaagacctgc taattccatg acagcatagg gctgtctggg gtttttgccg aagttgggtg 420  
gaaccaagtt cacaatatct ggtccaatag gaacctgaa tacagcaggc aaagtggcat 480  
ttttgccaaa tgacttcccc ttttcggagt tcaccgggat tagttggc 528

<210> 376  
<211> 207  
<212> DNA  
<213> Homo sapiens

<400> 376  
tttttttttt tttttgacgg ttcttatata acgtttatct ctggaagtta aagtagatac 60  
agcaatatac caaaaaaaaa aaaaaaaaaa aaagacaaaa aacctcaca taatataaat 120  
ttttacacta tgaagtacac attggaattt gaatgcagtg gccaggacag cagcttataa 180  
accaccttat aggtaggtaa gcaaccc 207

<210> 377  
<211> 278  
<212> DNA  
<213> Homo sapiens

<400> 377  
tttagcactt gaacttctga ctttattatt tttcttcaaa tgaacagggtg ataaaaacact 60  
gtgtccaaag caaaatgcat gactcccttt tctcttcttt cacagagtac cagaaaatgt 120  
aaacaatatt tagcttgaac ttctgagtc tcatcttttt tttaacagcc tttagaacaa 180  
cattaatttg tttgtttata ctagcatttt acaacataaa aaataaaaata agcagactgt 240  
ctgagggggg ttatataagg ttttcagatt ctgataca 278

<210> 378  
 <211> 183  
 <212> DNA  
 <213> Homo sapiens

<400> 378  
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 cacatcttgt ggcctcttga taccaaggct catgggacgc taaaacctaa tgactgcagg 120  
 catctgagct tccttgaggt catctgtggg gggcacaggg gcagcctcag agtcacccgt 180  
 ggg 183

<210> 379  
 <211> 438  
 <212> DNA  
 <213> Homo sapiens

<400> 379  
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 ataatgtttt atgtaccaaa gccttttgtc cccattttcc atcatacgaa tagtattccc 120  
 tggtgctaag ccgatgatac attacccttt tcccataggt gtgagtggcg gtctgaatgg 180  
 agaagttcaa tagttctgat tgcagatcct atgcagaaga gataataagg aaaataatct 240  
 ttgtctcctg gattaagctg aggtctggcaa agagtgaat gtcccaagcc ctctaacaac 300  
 aaacaacata ctttgtgttg tcctggatgc tgggtctggtt gccaaatatg tggaactggc 360  
 cccatatgcg tgtactgttg tccatttcat gagagtaggc ttgaggacac catgggcaag 420  
 gatctgatgg ttgccagc 438

<210> 380  
 <211> 465  
 <212> DNA  
 <213> Homo sapiens

<400> 380  
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 tattagctta tttgattttt agatgttgaa caaaccttga attcctaacc taactgctgt 180  
 ggctagaact tcaagtacaa tgctgaatag aagtagtgcc gagtgaacat ccttgtcctt 240  
 cttcccaatc ttaaggggaa aacattcagc cttcagtcta tcacatgaa gtataatgtt 300  
 aggtgtgggc ttttcataga tggttatatt atcatatcta ggaagattcc ttttattcct 360  
 aagtttggtg agtggtttta tgaaagagtt ttggatttta tcaaagtctg taataagaca 420  
 atctgtgtgg gttttgtgct ttattaaata tggtagagtt gatcc 465

<210> 381  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 381  
 gaaatgtaag tatacagatt ttaatttatt tttaagaata attgtatatt ttaaaaacag 60  
 gacacgtact gtatgagtaa acagcgtggc taacaccaag tccacactgg taagcttttg 120  
 agaaccattt acactatgtt gacagtagta ctgctgcagg cagacagcgg aagaataaat 180

aatagtgctt	caagaagagt	agtgattgag	aggataggta	aagagggcgc	ctcatcgtgg	240
aagctagagc	aggaacacct	ccccagtagt	gacatgtgca	aagttccaga	tctccacgac	300
aaagacagct	caacccactg	gaacaaacag	actcccaatg	tggctggcaa	ctgcgggggt	360
agaagaactc	aggcaaagta	ggcacaggaa	tgggggagat	gagagccaag	ggacaaaac	418

<210> 382  
 <211> 359  
 <212> DNA  
 <213> Homo sapiens

<400> 382	
ttaacaaaat	tgtattatta
ctcagaaaatg	tttatctgag
tgccacagac	gatccacacc
acgcgcacac	acacgctgag
tgtagcttcc	atgcctggaa
aagtacaaaa	gcaataggta
	agggcagtg
	gataacagga
	aaggttttga
	tgttattgt
	60
	120
	180
	240
	300
	359

<210> 383  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<400> 383	
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ctttattaag	aaataccaga
acaaaagtgc	agagatttac
aaaatacttt	ttttctccaa
gggtaaaggc	aggatggtca
ccacctctaa	cccaacctca
tagggccagg	aaggctcaga
	gctgaatgga
	catgaaga
	60
	120
	180
	240
	300
	360
	398

<210> 384  
 <211> 448  
 <212> DNA  
 <213> Homo sapiens

<400> 384	
catgaggctt	atattttttg
ataggcctaa	atcacttgta
ctagtaataa	gtcttttaat
taattcaata	tccagtatac
gtttatccac	acaaggttta
gcgtgggtgc	tcacgcttgt
ctggccctct	ttttcttttc
ttcccctggt	gaaattttga
	tgattgca
	60
	120
	180
	240
	300
	360
	420
	448

<210> 385  
 <211> 490  
 <212> DNA

<213> Homo sapiens

<400> 385

tttttttttt	tttttagacaa	accacaaactg	tttattgggtg	aaagactcag	cttcctcatg	60
tgctcgctgc	aaaataaata	aaataaccaga	tgctagtatc	gtacactatt	tacaacctgc	120
agctgaccaa	gcaggtcctg	aagccttctc	tgtggaccag	tactgcactc	ttctgaggct	180
acgggagagg	tccagcagcc	gggccaggga	ctaaaaggaa	acgaaggatc	tgttttatgt	240
cgagctcggg	ggcaggctgc	acttctcgca	gatctgaacg	ggcagcatgt	gagtcaagga	300
agtactgttt	atggccacca	gcagctgcaa	cttgcccata	cagtcctcca	gcgcgcctc	360
cgggtggtct	cccagtcgca	agtccacggg	ccgcgagacc	ccagcatgct	ccgccagcgc	420
aggcagcaga	tcgccggagg	gaaggggata	gctggtgaag	gatagtcggc	caactcagtt	480
tgccaccccc						490

<210> 386

<211> 366

<212> DNA

<213> Homo sapiens

<400> 386

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gcatgaatgt	aagagtagga	aggggtgggt	gtcagggatc	acttgggatc	tttgacactt	120
gaaaaattac	acctggcagc	tgctgttaag	ccttccccca	tcgtgtactg	cagagttgag	180
ctggcagggg	aggggctgag	aggggtgggg	ctggaacccc	tccccgggag	gagtgcctac	240
tgggtcttcc	atctagaact	gtttacatga	agataagata	ctcaactgtt	atgaatacac	300
ttgatgttca	agtattaaga	cctatgcaat	attttttact	tttctaataa	acatgtttgt	360
taaaac						366

<210> 387

<211> 412

<212> DNA

<213> Homo sapiens

<400> 387

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gctgaatatt	tacaattatg	tcataggtta	ctattaacag	tgcagaggat	agagtatgta	120
agaaagactt	tgaagaggaa	ataatataca	aagtacaata	aacagcaagg	ttacatgtca	180
tcgttttgcc	accgtacaga	agtggaaagt	gccgacctgg	agaggtcacc	gttgtttcat	240
ttctctgtat	ccagaaagga	ccgtctctta	aatccaccag	gggaggaaac	agcctcctgt	300
ggaaaatgct	gtcttctcag	gagcattgta	tctgcacgtg	ccaatcacag	ttcctcctcc	360
gttcgcaggt	actgggtaca	gttctgaaat	cttttttcagc	tgagcagcgt	tt	412

<210> 388

<211> 290

<212> DNA

<213> Homo sapiens

<400> 388

aaatacaaat	gttttattac	gcaaaccaca	tgtagggtccc	aggctcaggg	gcttacccta	60
cagccccac	tggtccctgg	ctccaagcct	gtccttggcc	cttgcccacc	ctggaaagcc	120
aggatctcct	atggagtgtg	taggtgtcca	cgagtgtacc	ggtgtgcggg	cctcctgggc	180
tgcaggcact	caggcatggt	ggcagcattg	agggaaagac	aggtgttggg	gagcggggtc	240

ccacctgccc aggcctcagga gtcacagggg tctgcacagt cctttctgct

290

<210> 389

<211> 255

<212> DNA

<213> Homo sapiens

<400> 389

tttttttttt	gatttgttta	cttttattat	catttttttaa	atgtggtcag	gggttttata	60
gtattttttt	tttaattctt	ttggttattg	aaaaaaatag	aacagtccac	tgtccagcag	120
aggctgcttc	aactctattg	ctcgaggggc	tcattctgca	tggatctgtg	tttcaggatg	180
ctgcaaggac	aactctgcgg	gcaggaaggc	ccttgaccca	acgctgtagc	ataggtcctg	240
ctctgtggat	gggga					255

<210> 390

<211> 338

<212> DNA

<213> Homo sapiens

<400> 390

agcccaagca	taggcaggct	tctgacttta	ttcctgtatc	tacctgcata	tatacatggc	60
aaaaaccatg	ggtttacaca	gataccttgg	agccaaccca	acaccaaggg	ctttccttgg	120
cctccctctg	gctctcactg	tccgatgcag	attagattta	cctgtgtggc	caatcctcgt	180
gtgtacatac	atttcagaac	tgctggcctg	gacccatgtg	aaaaacagtc	accatctaca	240
gcaggggtgt	ccaagctttt	ggcttccttg	ggccacactg	aacaactgta	ttgcaccaca	300
cataaaatac	actaacatta	atgatgactg	atgagtta			338

<210> 391

<211> 448

<212> DNA

<213> Homo sapiens

<400> 391

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actgtgtcca	aagcaaaatg	catgactccc	ttttctcttc	tttcacagag	taccagaaaa	120
tgtaaacat	atttagcttg	aacttctgag	tcctcatctt	ttttttaaca	gccttttagaa	180
caacattaat	ttgtttgttt	atactagcat	tttacaacat	aaaaaataaa	ataagcagac	240
tgtctgaggg	gtttatataa	ggttttcaga	ttctgataca	ggcttgcatc	tgcacgcttt	300
ttagtctgac	aaagagaaac	actgctttag	gaagtgggtc	atgtgggtgt	ataagtgggt	360
cgtggacagg	ccgataagc	cgtggttctg	gtcagagtac	cacattgcct	ggaaatccac	420
ttgtgcatta	accagagctt	tagcaatc				448

<210> 392

<211> 490

<212> DNA

<213> Homo sapiens

<400> 392

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tttaatcatc	caaaatgcat	gtataaaata	tagaacaac	cctagtattt	aaacataaac	180
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tttatgcctg	taaagatctg	cataatctac	aatacagagt	tatttcagaa	gcagttgact	300
taactagttg	agaaaaaaaa	acaacaaact	tcaacgcaaa	gctataataa	tttatccgaa	360
acttattttac	aattaaacat	ttaggggtcct	gattttacaaa	actcagtgcc	tttcatgatt	420
tattgatgag	ttttatagag	aaagtaagca	gtatgtagaa	tattccccag	gtaaaatctg	480
gagtgaatgg						490

<210> 393  
 <211> 379  
 <212> DNA  
 <213> Homo sapiens

<400> 393						
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cctacagaca	accaagcact	aatcccccta	gtaccaagaa	aggggagcca	ggatttagtc	120
ctggcccagc	ccagagctgg	gacctggagc	acgatctgtt	gacttccttg	ggtaggacac	180
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cttggctgag	gcaggcctag	cctgtggagc	gggctagggc	caggagcatt	tgggtcccct	300
ccatgttgca	atgcaaacac	cttcaccact	ggggcagtg	ggagagatgg	ctatattaat	360
aaaataacgt	gtgtctttc					379

<210> 394  
 <211> 380  
 <212> DNA  
 <213> Homo sapiens

<400> 394						
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cacgccgggc	aggcacagca	tctttttaaa	atccgcgtg	atcttcctc	acaccccaa	120
acaggaactc	ctcaggatgg	cctcagaagg	ctggagtctc	tccctgtctg	gcgggacacc	180
ctgggtggcg	tgaaggcccc	tctgccacaa	cggagggttc	tgattgtggg	acacagtctg	240
gtttttgttt	tcttctgtc	ttctaattaa	aaaagacatt	cctgggtgac	aggcacagtg	300
caggagtgtg	agctatcgaa	acaacctgg	gaagtctcgc	aaggcccagc	aaacttgttt	360
acattcctca	gcactagtga					380

<210> 395  
 <211> 400  
 <212> DNA  
 <213> Homo sapiens

<400> 395						
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cctctgatcc	agctgcagcc	tcccataaga	agttcactct	taatttcatt	tcccatgctt	180
tgtcttggtc	cctgtgagga	aaggggtcag	ctaaaggtaa	ctgttctata	aggatgggta	240
ggtatcctgg	caagatattt	cctctgaaat	agtaaactgt	accttagaag	ttactgtcta	300
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gcaaaagcac	accttctgca	gattccctac	aaagtggggt			400

<210> 396  
<211> 354  
<212> DNA  
<213> Homo sapiens

<400> 396  
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 gtaattatga agacaccttt acggtgagcg ttattaaaac cctactagag gttttgggtg 180  
 ggactcaaga gcaagggtg gccacctgtg gacgagggtt ccctgttggtt aacagaacac 240  
 gttgcccacc tcgcaagtat gcagcccaat cagtccccag ggtctcggtt cccgttgcg 300  
 cttcccat ggccactgcg ctcatcatg agcctagggt gatcaggcct ccgg 354

<210> 397  
<211> 460  
<212> DNA  
<213> Homo sapiens

<400> 397  
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 ctgggggaag ggtgcagcaa cgatttctca ccaaatcact acacaggaca gcaaaggggt 120  
 gagaaggggc tgagggagga aaagccagga aactgagatc agcagaggga gccaagcatc 180  
 aaaaaacagg agatgctgaa gctgcatga ccagcatcat tttcttaaga gaacattcaa 240  
 ggatttgtca tgatggctgg gctttcactg ggtgttaagt ctacaaacag caccttcaat 300  
 tgaaactgtc aattaaagt cttaagattt aggaagtggg ggagcttgga aagttatgag 360  
 attacaaaat tcttggaagt ctttatgaaa accccagggt tgaaaaaaaa aagggtccca 420  
 agagggctcc gaggtctctg ctgtgcccgg ggcagatacc 460

<210> 398  
<211> 404  
<212> DNA  
<213> Homo sapiens

<400> 398  
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 tataggaata catacaatct atatacatat atttattgca aataacttaa attcttatgt 120  
 aaaatgattt tctatatattg tgaaaaaata tgacttttta aatgggtgtg acaccaactt 180  
 ctctgtacat accctcaatt ccaatgttaa caattccttt aaaaaggcaa aagacacaaa 240  
 agtttagcat ttaccaaacc agtctgtaca aaccttacag ccagaaggga aaaaaatagc 300  
 ttgtggtaaa taagtcaatt ttcttttaaa ataaaaaata aaccccaaaa ctattccct 360  
 tattgcattt ttctgaaata atctgagtgt ctttagagta actt 404

<210> 399  
<211> 435  
<212> DNA  
<213> Homo sapiens

<400> 399  
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 taagcccagt gacttgaaaa taacctcaag atcaattaaa atataggaag tagagggagc 180

cataagttgt	ggtatgagtt	taaaagacca	catcacagaa	aagaaaaaga	tttttttttaa	240
agtatcaaca	atagaaattg	ttctagaagt	ttatgcgcag	gaaaattggg	aagcccatgc	300
ttcccaattt	tcatttgttt	ttaaaaagcc	atgcatacag	ctcttgctct	ttgattttcc	360
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<210> 400  
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 <212> DNA  
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<400>	400					
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accaatacac	actatgttgg	aggaacgact	ttaaaatgta	aaatgagaaa	tgggcactga	180
acactccatc	ctcactccca	acagcccacc	cacacaacct	cttcaactgc	tatccaaaca	240
tggaggagct	cttgtggaag	agaggctcaa	caccaataaa	ttgagcataa	gacattcaag	300
actaaaggaa	ccccagacag	atgttttagga	agtagggttg	aaaatatcac	catctcccaa	360
cagctgaagt	tgggacatct	aagagatgtc	agagccatac	tgctgaggaa	agcacagcat	420
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<210> 401  
 <211> 397  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400>	401					
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gctgcttggc	aaggctgttc	aggacgtgca	cttccccaag	tcggcactga	gtggcccagc	180
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gttctggttt	ttactttttt	aatgtaagtc	tcagtctttg	taattaatta	ttgaattgtg	300
agaacatttt	tgaacaattt	acctgtcaat	aaagcagaag	acggcagttt	taaagttaaa	360
aaaaaaaaaa	aaaaaaaaaa	aaaaaattaa	aaaaaaa			397

<210> 402  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<400>	402					
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tataaacaaa	ataaacgct	aagtttttct	ggctccaagc	acgccatag	aagcacgcca	180
atgtcactta	tgtgccctga	tcacattcag	gcaaagtgtt	cttcacttta	aatactcctg	240
tgttccatta	ttgtttaagt	aaaatcctat	ttcaaagtcc	tttgataaca	gagaaaccgc	300
ctgtagacaa	actctttgaa	agtgactgaa	ttaatgt			337

<210> 403  
<211> 372  
<212> DNA  
<213> Homo sapiens

<400> 403  
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acctgttggg tcttggctgt tgggatgata attcttttgg gtgaggggaa cagccgtggt 180  
caaggctgcc tgcaccccca tccaggcaca ggaccttggg caaagtctca aaagaggtag 240  
tgtttttact ttcgcaccaa caatacaaca taagtattgg gtacaaaaga ggagatttcc 300  
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tcggttgatg ac 372

<210> 404  
<211> 280  
<212> DNA  
<213> Homo sapiens

<400> 404  
gaccagtttc accatctttt ttattggata cagagccata aattctctga tgcccatgtg 60  
agtcctttta aatacatata ctcagggtaca ttcagcaaag ggcattctac ggggtgacatg 120  
gagcaaagtg ctgggatggc gatgcctggg tggggcagag aagtgtggcc agggaaggcc 180  
ccctggggcg tggaggtaca ggcaccactt cagaaacaaa aataaaacca aaaattgctc 240  
tccacccctc tgctgtgtct tggggctggg gaagctaccc 280

<210> 405  
<211> 467  
<212> DNA  
<213> Homo sapiens

<400> 405  
gctctgtcag gctggtggcg ttttgggtgc ttcgtttggt atggccgctg ctgtcgctat 60  
ggagacagat gatgctggaa atcgacttcg gtttcagttg gagttggaat ttgtgcaatg 120  
tttagccaac ccaaattacc ttaattttct tgcccaaaga ggttacttca aagacaaagc 180  
ttttgttaat tatcttaaat acttgcttta ctggaaagac ccagaatatg ccaagtatct 240  
aaagtaccct cagtgtttac acatgttaga gctgctccaa tatgaacact tccgaaagag 300  
ctggtgaatg ctgagtgtgc gaaatttatt gatgaacagc agattctaca ttggcagcac 360  
tattcccggg agcggatgcg ccttcagcaa gccttggcag agcagcaaca gcaaaataac 420  
acatcgggaa aatgaaaaac tggatacaaa cgaggcactt aatacat 467

<210> 406  
<211> 448  
<212> DNA  
<213> Homo sapiens

<400> 406  
gtttgaaata tggcatttat ttacaaatgc acatattagg tcgaattgta acaagcatta 60  
ttttccctac tcttctagag tatgcacaca gggtactctg aatgcaatgc aataagcctt 120

ttccaccagc	tttaactcac	cttctgtacc	aaagggcaaa	cctaccacta	tggcttgtga	180
tggcttacia	agaaaaactg	aagcatagcc	ttaagaaaaa	tgctgcaaga	tgtgtctatg	240
aagagcactg	cagtgaagt	ttagggcaag	gggcacatgg	ccttacatag	gctgtcccag	300
gcaatgccca	gcctcatcct	gtaagggaagt	cggaagtctc	cgctttggaa	actagttagc	360
tcacactctt	ttcgggtttg	ttttcttctg	ggcactccta	gttttaaatgt	tcttcttggg	420
actggctggg	ttgggagcag	gagtccttt				448

<210> 407  
 <211> 308  
 <212> DNA  
 <213> Homo sapiens

<400> 407	
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tttttttttt	120
tttttttttt	180
tttttttttt	240
tttttttttt	300
tttttttttt	360
tttttttttt	420
tttttttttt	480
tttttttttt	540
tttttttttt	600

<210> 408  
 <211> 426  
 <212> DNA  
 <213> Homo sapiens

<400> 408	
ccattttattt	60
ggctctgttg	120
gccaattctg	180
ttttccatgc	240
gtgagtatga	300
ttttactata	360
aggtgttcag	420
gagatc	426

<210> 409  
 <211> 1201  
 <212> DNA  
 <213> Homo sapiens

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agtcccagct	60
atggctctca	120
tgtctctggc	180
actccagatt	240
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cgccagaagt	360
ttcccagagg	420
cggcgtcaag	480
cccaggcgcc	540
tggcagaatc	600

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gggggcgccg cagagcgcggt gcgcgcgaacg gggaccactg tccgctcggg cccgggcggt 660
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tgtcgccacg ggaggtgcaa gtgacatgt gcacgcggcg gtgcccagagc cagttccggg 780
cggcaaacat gcacgcgcgag atcaagacga gcctgcaccg cctgaagccc gacacgggtgc 840
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aagtctgtta tttattatta atttattggg gtgaccttct tggggactcg ggggctggtc 1140
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c 1201

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<210> 410
<211> 513
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 410
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gtgaaacaaa atatatctta tgggtgcttag aatggttgtt aaatggtgag ttagtttnc 180
aagtaaaaaa tttacgtgca ttaacagagg ggaatgcata ataatcctat gaggtaggcc 240
ctattatcct cattgaatag aagagaaaaa gaggtcctaaa aaaattaagt aaccacacaa 300
aagtcacaca gctgtgactg tcagtgtcct gctgggcaact gcaaaactagg ccacttttaa 360
agtaagatca ttttaaatg agtacncta cttacaaatg aaccatttaa tgtgatattg 420
acaaatattc cnangccgga cttataaaaag tttaggaaac caaataggat ccaatccggt 480
accccttac ctttttnaaa nggtccctt gtc 513

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<210> 411
<211> 145
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 411
gatccccatg ctaagaaaat gcccaaaaaa ataggcaaaa cacgagaaga gctagggttaa 60
gagaaggacg taaacagAAC ctgacaccag ctccttttcc ttctatacat tatttaatac 120
ctattaaata aaatnatTTT tgaaa 145

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<210> 412
<211> 204
<212> DNA
<213> Homo sapiens

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<400> 412  
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 caccgcagd tcctaaatcg ggggtgggggt gttcgggtcct tgccgggtcc acgagatcga 180  
 ttcttgacta ctttgctgtg aatt 204

<210> 413  
 <211> 608  
 <212> DNA  
 <213> Homo sapiens

<400> 413  
 accaaaaata agttattttat tgcttttaaaa aataaacatt tataatagaa taccaaattc 60  
 tattttaatct aatgtgttaa caaaagcata atatatcca gtaaacaagg acttccaact 120  
 tatectataa ctaaaaagtc aactaaacag ttgggttttag ctagagacaa acatcagtc 180  
 ctgccaccaa attccattat ataaattttat tttgcttcac atttaaggag aaaccagca 240  
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 gaaaggctgt ataaggagt aggagcttca gtcaaatctt tacttttcatt accctgaggg 360  
 aggtgaagga ggggtgttatt ttcacaggt caacatggat gacagtttga tcataaaaaa 420  
 cagcccacat taagattttca tttgtgaaat atgggtgagca tgatcatgcc ctaatgattt 480  
 cttagggttt ggcagtgctc ctggtcacat gcccatactt aggggtgaaa gaaatgctaa 540  
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 tacggctc 608

<210> 414  
 <211> 1086  
 <212> DNA  
 <213> Homo sapiens

<400> 414  
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 ccacaggtgt ttgagcggta catgggtcaac ctgcaagtga aaggcaaacc tgtgcacctc 240  
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 gacgccagcg tccgtgctgt ttgcttcgat gtcaccagcc cgaacagctt tgacaacatc 360  
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 ggctgcaaga ctgacctgca caaggacaaa tccactgggtga acaagctccg aagaaacgga 480  
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 tcgtgggtgc tcccagggtc gcacctgcca ggacctaatg ttcttaggtc cctctggcca 1020  
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<210> 415

<211> 1885  
<212> DNA  
<213> Homo sapiens

<400> 415  
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gggactcctt caaaaagagtt ttctcaggag gtgcacgttt catcaatttg aagaaagact 420  
gcattgtaat tgagaggaat gtgaagggtc attcatgggt gcccttgga acggaagatg 480  
gaatacatca aagtgaattt ctgttcaagt tttcccagat tatcattctt tgggatgaga 540  
gaacattata aaaccacttt gtttatttta aagcaagaat ggaagaccct tgaaaataaa 600  
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tcatttgttt cttttgactc aaattgtatt gcttctgttc agatgatctt tcattcaatg 960  
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aaaaaaaaagg aacagttagt tctcatctag aatgaaagtt ccatatatgc attgggtgaat 1380  
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agtattatat agcttcttag tagggtctca agtaagttca ttttttttat ctgggctata 1500  
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tagtcacttt agatggaaaa ttacctcaca tctgttttct tcagtattac ttaagattgt 1740  
ttatttagtg gtagagagat tttttttttc agcctagagg cagctatttt accatctggg 1800  
atztatggtc taatttgtat ttaaacatat gcacacatat aaaagttgat actgtggcag 1860  
taaactatta aaagttttca ctgtt 1885

<210> 416  
<211> 251  
<212> DNA  
<213> Homo sapiens

<400> 416  
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actccttagt agcttttctc taacagcagc tcacagatcc aggcagcttc catcttgcaa 120  
cttcgccatc tcggtgtttc ctttccagtc acagtgatga taaagagagt aaagagaact 180  
caciaactgt tcccaactgc cttagaccaa agcgacacct gtcacttctg ttcacagccc 240  
atcaaccagt c 251

<210> 417  
<211> 245



<212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <223> n=a,t,g or c  
  
 <400> 417  
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 tgttaattata tctgtggtaa aatataaaga tatgcatttt ggggacatag tcaccagatt 180  
 attagtagct caaggaaaag caggnggaag agtgctctgg gtggggggag gttcacaggg 240  
 tgctt 245

<210> 418  
 <211> 268  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <223> n=a,t,g or c  
  
 <400> 418  
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 aatccaccaa accatccata atgcaccag ataggccac ccccaaaagc ctggacacct 180  
 tgagcacaca gttatgacca ggacagactc atctctatag gcaaataagct gctggcaaac 240  
 tggcattacc tggtttgtgg ggattggg 268

<210> 419  
 <211> 277  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <223> n=a,t,g or c  
  
 <400> 419  
 aatcgttata acagttttat tcaagtctct gtgtgctctg gcattgagac caggctgaga 60  
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 cctagttaac aatttacagt acctcgaaag aaaaaaaaaa aaagccaaag gaaagancct 180  
 ggtaagtttc cttcaggact ttttcatctt taaatattgt tgacaacata caataactta 240  
 aatcccaaag caaagtggga attcaaggac acggggt 277

<210> 420  
 <211> 399  
 <212> DNA  
 <213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 420  
tcaaaatatt tattgaaaaa caattttacca tgacatttcct ataccacaaa cataccactg 60  
gattctaaat aaccaataaa agtatataaaa gcctatcctg aaaatatctt tggnggtatt 120  
aaatatatag gcccatgagg atagagctga gtaacttaaa aatgttagtc cttgggtcac 180  
aangactatt tgggnaatta ntaangangn gcctcttgac attaggactg canttaactg 240  
aggggtgggg ggggcatcca tataggctac tccgggggttt atgggagggg ttcttctact 300  
attagggnct tttcgcttcg aggcgaggcc tccgtgcccg aattcttggg cctcgagggg 360  
cccaaattcc cnatagggtga ggtcgtattt aaattccgg 399

<210> 421  
<211> 433  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 421  
tttttttttt gagtaaaagt gatcgtcatt tgagagttat ttggetgctt tgggcttcaa 60  
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gcagcaccac cagaatgccc agaccactga gtttgaattg tcttcccaga ttccaactc 180  
aggtaaaaga acaaaagcca acaggaacca atgggctaag gagggagcaa catgtaaaac 240  
agtgggtnta aaagaagaaa tgcaacgtaa ggaggggcag gagagaagtc aaggataatg 300  
ggagccgagt ggggtggccag gaaatntgag tagctctgtg ctgactagcc ttcagtgtta 360  
aaacaaattt aaggggaagc agcattatga ggtctcaagg tantgggagc cacctgnaaa 420  
cggggggttaa aag 433

<210> 422  
<211> 446  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 422  
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acctcctcat tcctataaac cttaacaaa aacagttagg ctgtttacat ggcttcccct 300  
ttaatcccag agttagtttt gcaaacgggc atgattcctg tttttgcgtt ttatctcagt 360  
ggctcttaaa gttattccta ggcctagggg gcaggganta gggtaaaggg ccccttaaaa 420  
taaaaaatgg gagttagtta tgttta 446

<210> 423  
 <211> 249  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 423  
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 tctgcgttca gagagacggc agagattcgc catgcaggat gaaattaagg tcagagagcc 120  
 gtttacgcta tgctcgggct ccccgggctc ttcctccctc tacggctggc cggcattgct 180  
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 cggtgcggg 249

<210> 424  
 <211> 153  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 424  
 nngtanttac caattgtatt tattgctaga aactttaaac tttttaaaaa agtttttgaa 60  
 tggtagataa catagaaaaa gacatccata aaggtaggaa gcaatctcat catttacaaa 120  
 gtgctgcaaa tttgataaat ttatgttgct gat 153

<210> 425  
 <211> 468  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 425  
 ggatctgtgc caaggtttac agcagatatt aaaactcttc gatgtctcac tgctgttggt 60  
 cagtcactct ctgacttata agaatttaga ggtcagattt cccacatat ttgaaccctt 120  
 attctgggtc cagtcctgtc ttcacttcca caactgctgt gttccacag ggagtggatc 180  
 ttctgggagc catttgtaag atagttcaat ctgaattttt aacgagatgg tacttctctt 240  
 gggccccaca gacacctgct tctccccgga tcgctattct cgactatttg cgtttcggga 300  
 ccggcctgcc cctcctcttt cccgctctgc ccagggaaaa gcgagccctc ggaaggaacc 360  
 tgggggcagc cccagaaagc agtgcccatc aatttccagc tncatccacc caggcaggcc 420  
 catcaatgga cctaaatatg gtgtctgntt ccancagtn ctggccgg 468

<210> 426  
 <211> 395

<212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 426  
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 cttgaaaagga tgcaactggc ttgttttttaa tttttgagac agggctctgc tctgtcactc 180  
 ctgctggagc gtagtgntgc aattacagct cactgcagcc tgaactttcc aggttttcagg 240  
 gatcctccta cctcagcctc ccgagtgggc tgggggaccat aggtgtgcga caccacaccc 300  
 agctgtaact gggcttggtt gaattaactc tgtgtgtagg aaatgaaatt caaacttgct 360  
 acaataaat taataaacag ggactctggc ttagt 395

<210> 427  
 <211> 415  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 427  
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 ttgatgggct aaaaaaacia atatatacat aaaggcacat gtaaccagaa ttctaccaa 180  
 aaaaaaaatt atcttaagtg gaggaatttt tcttgcctca caactaaatg aaactgccct 240  
 aatctgaaag acaaataggc cctgtgaaaa tctacaccta tggcttttcc cataanggta 300  
 cttccttatt tatataaggt nttgtanttt actttaanat cataacagac tantccaact 360  
 cacttggtgc tcaggggggt tggcacaagg ggncccttnt ttggggccanc tcttc 415

<210> 428  
 <211> 272  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
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 tgaatgtgat gctgaggaag attgctgtgg ctgcagcgtc caagccagca gtggagatca 240  
 aacaggaggg agacactttc tacatcaaaa cctccaccac cgtgcgcacc acagagatta 300  
 acttcaaggt tggggaggag tttgaggagc agactgtgga tgggaggccc tgtaagggtga 360  
 gtgccagaag gggctccagg gtcattggcg cattgccttg cctctcaacc tgccattttc 420  
 caggctagca gtttaactcct agcttctctc tgtcccagta gggaaaatcc ctaggtagtg 480  
 gtgggggcta gaaaggggct ctctccctta tccctctcac tgcattgccc ctgctatggg 540  
 cccagctcac ttggccacct gtctcttgca gagcctgggt aaatgggaga gtgagaataa 600  
 aatggtctgt gagcagaagc tcctgaaggg agagggcccc aagacctcgt ggaccagaga 660  
 actgaccaac gatggggaac tgatcctggt aagtcctgcc tcctccccac taatagcaaa 720  
 cccagtgcta ccttccaaga ttctctggga gaccccaggg tgcaggagac tcaagaacaa 780  
 ccatggctgg actccgcacc ctgctgatgg gactgcttga acagaactaa ggtgtcccta 840  
 tcccatacag tgccctgtgt gaattagaaa tgggtgttct tttatgcaag caaagggcat 900  
 gtactgaggg atcccagcag ttcttcaggg agatcttctt ggcttgagga ggaggacggg 960  
 cccagggtct ctattgctat cctccctcca ttgatgcctg ggcattcttg gaccagctcc 1020  
 tgctgttgg tcttgagcca agaagcaggt ttggacctgg aggccaaagca gactacctcc 1080  
 attcaaccct cctctccaaa gccacaggac cccagggggc tctcaggcta acaactactt 1140  
 ctgtccttcc agaccatgac ggcggatgac gttgtgtgca ccagggtcta cgtccgagag 1200  
 tgagtggcca caggtagaac cgcgcccgaa gcccaccact ggccatgctc accgccctgc 1260  
 ttactgccc cctccgtccc accccctcct tctaggatag cgtccctctt accccagtca 1320  
 cttctggggg tactgggat gcctcttgca gggctcttgc ttctttgacc tcttctctcc 1380  
 tcccctacac caacaaagag gaatggctgc aagagcccag atcaccatt cggggttcac 1440  
 tccccgcctc cccaagtcag cagtcctagc cccaaaccag cccagagcag ggtctctcta 1500  
 aaggggactt gagggcctga gcaggaaaga ctggccctct agcttctacc ctttgtccct 1560  
 gtagcctata cagtttagaa tatttatatt ttaattttat taaaatgctt taaaaaata 1620  
 aaacctgtct ctggctcatt gggcaggtag ataagtcacc tgagttcaac cttgcctctg 1680  
 aaatgtagta tgggaaagac ttgtgtttct gcagcat 1717

<210> 453

<211> 330

<212> DNA

<213> Homo sapiens

<400> 453  
 tgtggataaa tatattagca aataaatata tttcttaaca tagtgctga ttcaagcgtc 60  
 tgtctgggtc agatataaat acccatgtgg gtacctagg gctagtctcc ccactaactg 120  
 agggaaaaag gttcccagg ggggtcctct gccactttg ccaccacatt cacattccaa 180  
 atgggataat gcctgagggg ccaagagtgg tcaggctgcc ctgggggtgaa tgtcacctg 240  
 atgaggccca tcagctcttg tccactcagt gagggcagac ttgtgctcta atccactctc 300  
 ctgtgggtcc ctggcctgta tggcttatac 330

<210> 454

<211> 537

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> n=a,t,g or c

<400> 454

tcttttaaaa	aataaatatt	tataaactta	aggaagattc	aaagaatcag	ggtatctttt	60
cctccaaaaa	cacaaatgtc	ccgtgtaagt	caaaccaagg	tgcgaccacc	aacccatgaa	120
tgaagtcccc	tccccctgca	gctacaggg	tgaggggcag	gtgggcaggg	gagctgctct	180
ctctcctgcc	ttcagtcctc	cttgggtgat	aggctctcaa	tgtaggcgct	cagctcatca	240
tctgtgttga	tgtctatgtc	ctcctgcacc	ttttgcagga	gtgccacgat	gttggtcctc	300
agcttctgca	gcttctcctc	cgtctcggcg	ganttcctc	tcggaggtgc	gcaggctttc	360
ctcggaggcc	ttggccggga	gtcagcacgg	ctctggtagg	aattgcacag	gttttggagc	420
cctacttcat	attgcttgaa	gtactccttc	agaggaaaag	atattagctc	atctgaattc	480
atagcactca	gctgcttctt	ggagatgggg	aaacttggaa	ggcaggaagt	anccgta	537

<210> 455

<211> 465

<212> DNA

<213> Homo sapiens

<400> 455

caacagccaa	ataaaaaactt	tattactttt	taggcttgac	atctttaaca	gtagaacaag	60
atcactcatg	ataaatctgg	aagatgcaga	tggaagacag	tgcttgaagc	ccaaacaaat	120
gatttactac	aagtaattaa	aagcagaata	tgagaaaagc	agcagtgtaa	atgacgtaaa	180
cattaaaaaa	tatattagtt	tgtatatctc	ccccaggaag	tctcacagga	agcacaggac	240
acctgtgcgg	ctgtttgggc	atcctgggta	cttcttgccc	tcaggtgaac	tcccatctct	300
ttagttagga	ccagaatcca	cctggccttg	aggagaggaa	ctacatggga	gaagctgcat	360
tgaggctttt	attattaata	cctatgactc	aaggaatacc	agccttgggg	gtgctttggg	420
gcctggggag	ggaagtgact	ggctctcctg	gctacactgg	agact		465

<210> 456

<211> 295

<212> DNA

<213> Homo sapiens

<400> 456

caagtttctt	cagagttttt	aattattatt	attattttta	taacaacctg	aatcccagaa	60
cttccagata	ctgtccacac	tcctccctct	gggcagagga	gaggaggcac	ctcaagggaa	120
caagatgggg	gtgggggtgc	tgccggggag	cctccgactc	ccccagccg	tctactgctg	180
gggggtccca	ggagggaggg	tgggggttgg	ttccctccca	gaggggctcc	ctctgacgcc	240
ccgtcctgaa	gccctccctc	ctccatcaag	gctgggggat	atgaggagat	ggggc	295

<210> 457

<211> 488

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> n=a,t,g or c

<400> 457

gcgaccgcag	tngcaactcc	agctggggcc	gtgcggacga	agattctgcc	agcagttcgg	60
tccgactgcg	acggcgccgg	cgacagtcna	gggtgcagcg	cgggccctng	gggtcttgca	120
aggctgagct	gacgccgcag	aggctcgtgc	acgtcccacg	accttgacgc	cgtcggggac	180
agccggaaca	nagcccggg	aaggcgggag	gctcgaagat	ccccctcgga	aggcgggccc	240
gagagatacg	caggtgcagg	tggcgcgcgg	atcccagccg	cacttctggc	gtgagtatcc	300
ggactgcagg	ggccggggacg	aggctcgggt	tccaatcttc	ccagctctgg	ttggcccgcg	360
acctgggtta	agcaggtcct	cgtagcgttt	cgcgaactct	ccggaatctg	gagtcttccg	420
gtgtgcaact	ctgaatggtc	ccgggaaact	tgcgcggctc	gcacgcgnta	aagacagggg	480
gcccccat						488

<210> 458  
 <211> 448  
 <212> DNA  
 <213> Homo sapiens

<400>	458					
tcgtttctat	gaaattactc	gtattttattt	agtttttctc	cttcaacaaa	aatggaatca	60
actataaaaa	ctcttgcata	ctactttttt	tcacttacta	aatcttagag	agttttctgt	120
caaaacatat	tgccttagct	cattttaaaaa	aataacatat	atcttatcag	tttcctgtga	180
atagccattt	agtctgtttc	ccattttttat	taaaacaatc	agtgcccatg	tttacttttt	240
tttttttgag	agggattttt	gctcttggtg	cccaggctgg	agtgcagtgg	cacgaatctc	300
agctcaccgc	aacctccacc	tcacagggtc	aagtgattct	cctgtctcag	cctcctgagt	360
agctgggatt	acaggcatgt	accaccatac	ccggctagtt	ttggtatttt	tagtagagat	420
ggggttttct	cattttggtc	aggctggg				448

<210> 459  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<400>	459					
atcaaagaaa	catagagttc	gggcaatata	cttcatacta	cccatccac	ccaaatctta	60
ctctactcat	ctcattctca	ttaatttttg	gaaatcatca	gaagatgtgt	tcgttgagta	120
agagattaaa	agaaataagc	tttttgacct	ctgccaacac	cccatgccca	gggtgggtcac	180
cctccaatac	aataacatgc	caggaagagt	aagttgccct	ttctgatgcc	gtaatctgcc	240
atcatcttcc	catcttccag	tctcctttcc	attgcaagtc	acaatctggg	tctcagggat	300
tatacccgtc	ttagtctcga	tcattgcttt	cacttgctgc	actgagctgg	accttcgcac	360
ctggggaggag	gtgcctcttt	gcctcatcac	ctgactccac	aagaaacaag	ggcagctcct	420
catcactggg	gcttcaccac	tttcaggggt	aagggtgggat	ggtctt		466

<210> 460  
 <211> 340  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400>	460					
gtgaactcct	ggcctcaagg	gacccctctg	catgccttgn	ctcccaaagg	cntaggatca	60

caggcaaaag	caccgtgtgt	ttatTTTTcc	cattcccttc	ctttatctgc	aatgcttttt	120
tctttaaggc	agcctaattt	acaagcttgg	ccttgaatta	aaagagaacc	cagaaccgcg	180
tcttgaggtt	tacgttctca	aaccaacatc	agagcaactg	tctatcccc	tataaataaa	240
gttatctacc	cctgctccta	actgggtaca	agttatgact	acaactcagt	gattttttta	300
attagtgtgc	ctatttggtg	aaatctgtga	acttaatcaa			340

<210> 461  
 <211> 470  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400>	461	
aggattcaaa	cattctaggc	tttaattctt
ctcgttccag	gggaggagcc	catttgacat
cctgggctgc	tccctgaact	gctcgacata
ctgggtgggat	gagcaggctt	aacacagagc
ttgtagaata	tattccagag	aagtatccaa
aggtggaact	caagatgatt	ccctgggata
tatattatcc	aggaagcttc	tttgtggagg
ttcaccatga	ctaccattgt	gaggttcagg
		cacgcacgct
		gtgctgggta
		60
		120
		180
		240
		300
		360
		420
		470

<210> 462  
 <211> 320  
 <212> DNA  
 <213> Homo sapiens

<400>	462	
cacagtggca	gattttcttt	aatagatata
taattcacgg	caggtaaaca	tgggtgctca
ccatcagtat	ttccctcaca	ttcccttttg
gagaaatctc	caccgtcacc	gcacaatcca
tcctctcgaa	ggtgcgctca	gccataaaaa
gtgctcttcc	caccgcgaaa	
		60
		120
		180
		240
		300
		320

<210> 463  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400>	463	
aaaatcaaaa	cacacgcaaa	aatatattac
tataatttat	atataataaa	attcattatt
aaatgcattc	aatgccatca	ctactacaat
		caagatatag
		aacagctcca
		tcacttcaaa
		60
		120
		180



caattttctt	gtgtcttttt	tcatcaattc	ttcctccaac	tcacagcaca	gatctgtttg	240
ctgatcctgt	agttttttaa	atgccatag	gattatatac	agtatgtagc	attttaagtc	300
tgacttcctc	taattaagca	taatgcattt	gatgtaactc	caagttgttg	cangtattgg	360
ggtgctcatt	tctttttatt	actgagtagt	atttccactg	tatgaatata	ccatagtn	418

<210> 464  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 464	
agtctcactc	60
aacctcctga	120
atgcgccact	180
gcctagcctg	240
tgctgggatt	300
tcaggatcaa	360
tgacaacatc	420
tttatagtgt	434

<210> 465  
 <211> 417  
 <212> DNA  
 <213> Homo sapiens

<400> 465	
ttccagttaa	60
cgaatacaat	120
agatcagcaa	180
aatgaaacca	240
gagagccagt	300
acacttctga	360
aaatataaca	417

<210> 466  
 <211> 374  
 <212> DNA  
 <213> Homo sapiens

<400> 466	
gaatacaatg	60
catcaacaaa	120
taatagctag	180
acagagcatg	240
tctttttacca	300
caagaagata	360
ttccttaaa	374

[illegible]

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<210> 468
<211> 470
<212> DNA
<213> Homo sapiens
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<400>	468						
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caggctggag	tgcagtggct	cactgcaacc	tccgcctccc	aggttcaagc	aattctcctg		120
cctcagcctc	cctagtagct	gggattacag	gtgtccacca	ccatgcccaa	ttaatttttg		180
tatttttgg	acagacaggg	tttcaccatg	ttggccagga	tgggtctcgat	ctcgttgacc		240
ttgtgatccg	cctgcctcgg	cctcccaaag	tgctgggatt	acaggcgtgc	aaccngcccc		300
tggactactt	atggagggtt	taaaaaatct	tttaagtcca	ggcctgacgt	ttagagaagg		360
ttacaaaggc	ggccaggatc	tgagtatttc	caaaaagctc	tggaggcgagc	attgagggtt		420
ccttcagtt	gaatcactga	ctttagggtc	actggggtag	tttgggtttt			470

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<210> 469
<211> 443
<212> DNA
<213> Homo sapiens
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452

<210> 470  
 <211> 427  
 <212> DNA  
 <213> Homo sapiens

<400> 470  
 gacatccttt gtatgtttac tataataaca gcaaaatttt tccaaaccag agccaatttc 60  
 cttggctcta ggtacacccc ttccaagcaa tgcaaaggac atctccaatc atgacattta 120  
 agacaattct ttatttctct gacagtgact tcttgaagtg cacatataat aaataaatag 180  
 aaaatatatc tttgttcatg gtgatgccta caagaaatgt ttacatacaa acactctgta 240  
 catctaactc ccgaaaaagg accagctatt tcggcaacag aaaaaagaca agcatttcag 300  
 aggagcgttg cttttcctta aagacctaac tcacttaagt ctttaccaaa cagaaataac 360  
 aagggaggac aattttctaa gcaataagaa aatttgtggc taccaaggaa aatgcctaga 420  
 tattggg 427

<210> 471  
 <211> 436  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 471  
 tttgctgtaa tacacaaaag ttttattttt gactttcttc ttttctgaag gcaaaataaa 60  
 atagaactga acatcagtga attttgtaca acaaaaacag cttttaatat ggaatagtcc 120  
 atgaacattt taaaatctcg gaatggcttc ctttttcaa agtcatgctt tcttgcggtc 180  
 cacaaggagt tggcacagag gagatggagg cagcggcgagg tgagggtgagt ggaggacagg 240  
 gcttctctca gatccgtgtt agctgggtgcc acagactgga tgggaggatg ctctccactt 300  
 ttctccatga caaagttaa gggggcaaac aaagtgtgta ggaaagcntt tgcgaagacc 360  
 cccataagtt ccgggaactg atgtgtcagg agggccagca tgctgttgaa ggaacataat 420  
 ccagcagtaa agagaa 436

<210> 472  
 <211> 340  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 472  
 gcctttctgag agcaaagtgt aatcctgacc cagaattata ataatttctg aaagttctat 60  
 taatttcagc acactgtgta ggaattactc aggtttttcc catcctatag ctccataaaa 120  
 accaaagtgg ctaaccatat ctggcataac agaggaagta aggtgcantt ccngantntt 180  
 caaccatcac agaaaaagca cacttaattt gcattctcaag tcgtctggag taaagtctat 240  
 gttgctggca acagtttgtt tatcctgact tctcttcccc aggtccctgg tgggtctgtaa 300  
 cagagatgtg tttgtgaaaa tgctgtcact tggctttctc 340

<210> 473  
 <211> 505  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 473  
 tttttttccc tgcacacaca ctttattttg tcctctctga gccctttctca cttccccctc 60  
 aggacggcca ccccttggca tcgggtgcag anccccatcc agccgcggtg aggggtggctg 120  
 tcatccggcg ggtcctcacc ctgggtcccta ggcttgcgca agctgatggg tctcatagtc 180  
 ctctgggatg gtgtcattgc agcggtaaca gggttggccc agatgatgtt ctcctgggag 240  
 aagcagaaga ccccaggcg gccacccgc atggttgtgt ccaagaccac gttgctgtcg 300  
 gccaccagct cagggccctc atagaatcgc accctgatgt agcccacttg ggnccgggtg 360  
 ctgcaggaac caacgatagg acttcttgtc cttccaaccc acgtttcgcg ggtccttcca 420  
 cagcagccga acctgggaat ctgtgtctcc tgtatgcaaa gaagcgtttc gaagctgttn 480  
 ccggggcctg tggaanaatt naaag 505

<210> 474  
 <211> 302  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 474  
 ccattaaggt gaaatcacct atgttttatt ataaaaaaca tgtgacactt ataataaacc 60  
 cagtaaggag cacatacaat ttgccctggg tccccatttt ctgagcgatc tgtgtttgct 120  
 tgggggtggag gcaccgggag gntcggccac gtggcttcat aaagctcagc tgcggttctc 180  
 cgtggccaca gtgactctgc tccgggtacc cagtccccga ctccttggcc tcccaggggc 240  
 catcccgggg gtctcggaag gcacagctcg gtttagctttg acttcttggt gtggctgaaa 300  
 ct 302

<210> 475  
 <211> 417  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 475  
 ttagtagaga cgaggtcttg ctatgtggcc ctggnctggtc tcgaactcca gagcccaaatt 60  
 gatccacca ccttggcctc ccaaagtgtc gggattacag aaatgagcca ccacacctgg 120  
 cctgattgtt tttaaatggc agcaagaaca gggttggaca gcaagggcaa atcacacagt 180  
 atgtggcata ttcagaattg gttgtgagtt tccagtagaa agcactgaga atatccatag 240  
 ggcaaaatgg aatactaata atcctcattt gcctttgcct ttgtactggg aaaccagacc 300

ttactttaag cccaccaaag gcaaggtttg gggcctgcca cagcgggatt tcaaaaagac 360  
aaagcaatgc aagccacgtg ttcaaaatgc ccttaagtgg gctttttcag ggtnttt 417

<210> 476  
<211> 375  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 476  
ttnacatgaa agagaaactt tattgaagtg gcaaagagtg aaagtgaggg actggcctgg 60  
agtgggagtt gccacactgc cccaacagtg attccctttc aaagagctgt gcttcctaaa 120  
cattctgggg ggttttgcca gagtcttccc ctgtctcatc ctcatttcca ggacactgtc 180  
attttagtgg tctgagtcaa gtcccgata cattcaagaa cagggcatag gcgtgggaag 240  
gtctgggaaa gttgggtct tttccctta catttggggg gactttgatt gggnccccct 300  
cttcattgatt ccctctgttg ccctcaagtt ttcccttttg gggtaaaatt ggggggggaa 360  
atttttctnc catgt 375

<210> 477  
<211> 272  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 477  
ttnttttttt tctctcatct tgtcttctcg ctttatttca ttaagttgat cttcaatctc 60  
tgatatcctt tcttccactt gattgataca gctattgata cttttgtttg cttcacgaag 120  
ttctcgtgct gtgtttttca gctccatcgg gtcatttata ttcttctcta aactgggttat 180  
tctagttagc aattcatcta accttttttc aaggttctta gcttccttgc attagggtta 240  
gaacatgctc ctttagttt gggaggagtt tg 272

<210> 478  
<211> 244  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 478  
atgatcnaga cttgctttaa tctgcacact gcgggggttg ggggtgggcat gctcctcagc 60  
agtgcattct gggacacggg cgggcggggg ctggcacggg aggacgagag cacctgcagg 120  
gcagcgttg ncgncggnnc gggcgggcgg gcgatgtgtc agctgcagtt cttgggcagg 180  
cggtagacgc cgtccgcagt tagacgagct gctggtcccg caccttcttc tgcaggtagc 240

cctg

244

<210> 479  
 <211> 429  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 479  
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 atcctcaatg gtaaaaggct gaaggatttt tctctaaggt taggaacaag gcaaatgcct 120  
 gctcttgcca ctctattcag catagtgcct ggagttctag acagagcagt taggcaagga 180  
 aaaggaaatc taagggcac caaattggga aaggaggga aggtaaaatt atctctgttt 240  
 ggccaatgga tatggatttt atatggtatg gaataggaaa acccttaaag gattccnccc 300  
 agggggccngg ggcgggggtg ggcctcacgg cctttttaat tccccagcac tttgggggga 360  
 ggggcccagg gtgggggngg ggtttgcttt gaggggccag ggggggtttcc aggacttggc 420  
 cggggggggg 429

<210> 480  
 <211> 284  
 <212> DNA  
 <213> Homo sapiens

<400> 480  
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 aaatggttac taaaagctca gttgtaacca ctctaacac cactagcaga acctcaaggg 120  
 agccaagagc tcttcctttt tcccctgtta atttccagta taatgtagca gcacaattat 180  
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 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

<400> 481  
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 gtatgcttcc taataacttg aaatcttttt acaaagcaca ttattcatga tcataaatat 180  
 gtttggttctg tcatcccacc gatgatacac acatcaggca agcagctaata ttgaacatat 240  
 gtacagagtc tatgataaag atttaaagtt accaaaaaga ttcaggctat aacatattaa 300  
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<212> DNA
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<210>	485
<211>	328
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<213> Homo sapiens

<220>

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<223> n=a,t,g or c

<400> 485

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aggtaactat	tttcaaactt	aatagtagag	tcaagcaaga	ntggacaatt	agagtttnca	180
aanttgaaaa	ntattatgta	ttttatataa	tcattaccta	tggtttacag	attttatttt	240
tatgatacat	atctctaagg	taggtgggta	cactgaggac	ataggcaant	atgccataaa	300
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<210> 486

<211> 534

<212> DNA

<213> Homo sapiens

<400> 486

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attctcagag	aagacaaaga	cccgcaaaag	atgtatgcca	ccatctatga	gctgaaagaa	180
gacaagagct	acaatgtcac	ctccgtcctg	tttaggaaaa	agaagtgtga	ctactggatc	240
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accaaggagc	tgacttcgga	actaaaggag	aacttcaccc	gcttctccaa	atctctgggc	480
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<210> 487

<211> 3118

<212> DNA

<213> Homo sapiens

<400> 487

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aatctcaaga	tgggggcagg	gctgtgcttg	aaggccctgc	tgagtcactc	gttagggcct	3060
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<211> 332
<212> DNA
<213> Homo sapiens
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<221> misc_feature
<223> n=a,t,g or c
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ggaagaggag	agaggcacta	aaaagatgag	gtagccaggc	ctgtgcccac	actacgagac			180	
ctgcatcacc	atggtgtgag	gagcagcaac	gtgggtcaac	tnggggctgg	gacgagatgg			240	

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<212> DNA  
<213> Homo sapiens

<220>  
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<223> n=a,t,g or c

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ccttaactgt attaacgttc agcttactaa actgactgcc tcaagtccag gcaagttaca 180  
atgccttggt gtgcctcaat aaaaaagtta catgc 215

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<211> 406  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n=a,t,g or c

<400> 490  
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ggtgaggaag taacttctgc ttctcattga aactgtagat ccacgaggga cgaacgaatg 180  
ccaggaggagg gttgnacatc aggggtctct caaagntggg atcccattcc tgtgctgaga 240  
tcacaaaactg accccggtca ctcatatagt cctcgagctc cccattgaag gntgtaaagt 300  
atcggatgaa tttccgcgct tcggcccccga ggggaactcc ccccttaaag aaagaagtag 360  
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<212> DNA  
<213> Homo sapiens

<220>  
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<223> n=a,t,g or c

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ccacacactt	tcaaccactg	caacaaacaa	gcacccaaga	gaggctgtnc	ggcagagccc	180
tgcaccaca	ggcctttgac	agcacagtga	ggggcctccg	cacgtggcct	cgggacgntc	240
actcgacga	caccgggtgc	atcacactgg	cacctaaaga	caggccgtgc	agctaaaagg	300
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<210> 492  
 <211> 504  
 <212> DNA  
 <213> Homo sapiens

<220>  
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gagaacctca	tggtacacaa	cagagccatt	ggcgcagtgc	agggccacct	catnggggct	240
ccgtccgtnt	cggagagcag	caggagcact	ggcctgcac	atcgttgatg	tcaatgggag	300
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 <211> 273  
 <212> DNA  
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<220>  
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cggggaggac	gctgccattc	gtggccagga	aggggaagggc	gattccggag	aggngtgggc	180
acggcgagc	gaaaggccgg	ntggtnggnt	nggcagggag	gcgggggtacc	ngccccttaa	240
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<210> 494  
 <211> 406  
 <212> DNA  
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<220>  
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<223> n=a,t,g or c

<400> 494

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atTTTTTcca	acaaagagtc	attcaattct	tcattgtcatg	aaggntaaaag	gcaaagtctt	180
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<210> 495

<211> 421

<212> DNA

<213> Homo sapiens

<220>

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<223> n=a,t,g or c

<400> 495

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ggtcantcag	tggggatntg	attagtgggg	tttnggggat	gggagtccca	gggttaaacc	360
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<210> 496

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> n=a,t,g or c

<400> 496

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agcgtttatt	atgtgtgttg	agaatgttca	atatactcct	tcttgctgct	tgaaactata	180
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

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 cttgggggagc caagnatggc ccgaataggg aacnagctcc ggtatacagc ctcccnegct 360  
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 tctnactaa 429

<210> 498  
 <211> 952  
 <212> DNA  
 <213> Homo sapiens

<400> 498  
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 <211> 2814  
 <212> DNA  
 <213> Homo sapiens

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 agacttggtc cttttcaacg gttttcacag atccagtgcac ccacgctctg aagacagaat 180

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<212> DNA

<213> Homo sapiens

<400> 502

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<211> 2066

<212> DNA

<213> Homo sapiens

<400> 503

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<212> DNA

<213> Homo sapiens

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 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

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 acaaaaaatat cctaaagatg tttctgttat caaactttta caatttttcc aagacgtttt 180  
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 gagttttgac tattgttctt tctcaccaaa aatgtccata attttctaca aattccatga 300  
 agtttttaaat caatcatgtt tgatttacat ttaccaagaa tgatttgccc atcaccataa 360  
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 ggtttacaga cagt 434

<210> 524  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<400> 524  
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 tgcagtttaa ctcaaaggca caacaattga aacacagaaa ataatggcat ctcttggatg 120  
 ccttattttct aaattaaaca aagaagtaca caaattttgt tcccttcctt ccccagtgct 180  
 aagcccacaa gctttttcca aagtcttgag cttttgatgc tgtcccgcat tgtggacttg 240  
 tgaggcgctt ggatgtagca atgaaacaaa atgcttgaga ggtctagtga atggcattca 300  
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<210> 525  
 <211> 453  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 525  
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 gaaacataat ttaaataatc ttataaaaga gcaagaacat atcttaatct taagaaaaca 180  
 atcatcaaaa tataaaaggg aaagaaatct cttttgtaga agaatatatt tcaaattcca 240  
 cctgttgatc atttcattta aaaaattcta ttctaaacac atgggacgtc tctcttacca 300



atatatatat	ttaaataaat	gggtagaaag	ggaatttaga	ctactcattc	acactgagat	360
aaagtgcacat	ttttgttgca	caacagtatt	gctcactggg	cactaacagt	gggaagatgg	420
agaaaagtaga	tttctgggat	tcaattgggt	agc			453

<210> 526  
 <211> 264  
 <212> DNA  
 <213> Homo sapiens

<400>	526					
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agccaatctc	ttgcttccttg	agagaagcaa	ttagtgggaa	atgtatgtca	caccttgggc	120
ccagaaccac	aggaggccgc	ttctcagcat	gcccacgaa	catacatcat	ccccattcc	180
cattttaaagc	tcattaatgt	ctacaaaaca	gaatccacgt	tgctttccca	gaaaacagaa	240
ctaggaaccc	agtcaaagcc	tcca				264

<210> 527  
 <211> 484  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400>	527					
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tcacaaaaaac	atgtttgttc	ttttttaacc	aggtgaggca	tatgcttttag	gagtaccatg	120
gtaacataat	cagcaaagag	aagacaatta	cactgaacac	aaaatatcac	ccaataaagt	180
tacaggacta	aagtgaagct	ctctgaaaga	ctatgaacac	aattttaaatt	tcttttttgt	240
aatatcctcc	catgactaag	tatcaagaaa	ggaacacaca	caatgacact	gttttttgga	300
cttagagaag	tgctagaggc	tagggctggg	aaggccttgc	accagtggca	gctgcagaca	360
attgccagag	tgattctgtt	ttaaaaaaa	aaaaaaaaga	cacaaaccag	gaggctaagg	420
aaccagcctt	tcccaagtgc	attctgaagg	gccaatnacc	aggagaanag	ggtncaccac	480
catt						484

<210> 528  
 <211> 456  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400>	528					
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cacacctgta	atcccagcac	tttggaatgc	tggggcagga	ggatcacttg	aggtcaggag	180

ctcgagacca	gcctggagta	tagggagacc	cccgccccc	cccgccatct	ctacataaaa	240
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gatgggagga	tccgcttgag	cctgggagtt	caaagctgca	gtgagccatg	attgcaacat	360
tgcacttcca	gcctgggcca	cggagcgaag	accctgtctc	aaaaaataaa	aaccaaaaacc	420
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<210> 529  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400>	529					
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tgctccttcct	caggaccagc	cgtcagcagt	ccctgacgaa	agcaccat	tctctccaca	120
gacagctggg	tccagaagga	ccctctgagg	ctgggtcttc	gggtaggatg	tgctgtggga	180
gggttctgtt	tccgaggagg	agaggcgca	cacagcgtgc	aaggacctgc	agcaccttcc	240
acgcagcacc	ccctgtctct	cctcctcagc	ccctgcggg	ctctgactcc	taagtcaggc	300
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<210> 530  
 <211> 364  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400>	530					
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aggacatcat	tgacttaata	atagtatcag	tgggtgcaac	agttggcaac	atgtgccttc	180
acactttacc	ataaagagac	gggtttgagg	gtttgccttc	taaagtctgc	aacttcaaga	240
aaaaaaatcg	acactgtgga	ttgactttcc	cggtcactat	ataaagcaaa	taaacttaaa	300
acactttgta	accatgtatt	tactctgcca	ggtgcctata	ttccaatana	atgttcatcc	360
ttga						364

<210> 531  
 <211> 280  
 <212> DNA  
 <213> Homo sapiens

<400>	531					
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tggtttttcca	ttcaaattta	caaaagcatt	atattattagt	aataaaaaata	tagaaggaat	180
tcagtttttcc	ttttatcccc	aatTTTTtgc	ttttaaaaga	ccattttacta	acatcctact	240
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<210> 532  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<400> 532						
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accaccctt	cccctccacc	ctgcttctgt	atgtgggaga	cgaaaccaag	agtcactggg	240
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ggggcttttc	ctatgactcc	ccccatcccc	cagctggaag	acgtggggag	gggtgcatag	360
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<210> 533  
 <211> 413  
 <212> DNA  
 <213> Homo sapiens

<400> 533						
ataggtaaaa	tttttattta	tgaatgtgtg	gacacatgac	tttggatcca	gccagccagt	60
gacataaata	aacttgagca	aaagtttcaa	gctagaggat	atatatgtat	agaaaattat	120
atatttgtgt	gtgtgtgtta	ggcctcttgg	aacagtgcc	caaacctgga	caccaacca	180
cagaatactc	cgtccttttg	aaatttccat	taagagcaca	atgggggtaa	ttataccagg	240
atgtccaat	cgctcttttc	atcttgtgca	ctcacatgcc	cgccaaacat	gaaatgttcg	300
ccttctccct	tccaatgtga	tggttgttga	acttatcttt	agtgtcattt	gataagcctt	360
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<210> 534  
 <211> 392  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 534						
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cacatgttaa	atatataata	acaaaaactt	tactaacata	cgaatgaaga	aaacatgcgc	120
aagtantngc	atggcaggta	gtgaggaaat	ctggccagcc	gactggttcc	tttaccaagg	180
tttgacagag	aggttgtgtt	tgaacacctt	ctgtgggtct	gtgtcatttc	caagttgaag	240
aatttcagcc	aaagagcaac	atgtcacatt	gattaaagat	ggttaatgac	acagaaacat	300
ttctgttaat	actaagggaa	aaggctgttc	ttttattttat	ttatttttcc	tgagtctctca	360
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<210> 535  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 535  
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 ggaattatttt ttctgatcat ccagaaaaga tagcaatagt aaactgcagt tgggtngaga 180  
 ccagccactg ngTccatgag acctaagcag ccctaacgct gcctgagctc tcaagagtag 240  
 aagaaatgct cgacaaacag aaggaggctg tgggagggca gcaggacagc cccaccagaa 300  
 aaccagagcc caaatgggnt ggggcagggc caggggc 337

<210> 536  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<400> 536  
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 ccacggggga cgagccgtgg gttctgctga gtaggtggag ctcatgtctt tctccaagct 180  
 tggaaactgtt ttgaaagata acacagaggg aaaggagag ccacctggta cttgtccacc 240  
 ctgcctcctc tgTtctgaaa ttccatcccc ctgagcttag gggaaatgcac ctttttccct 300  
 ttctttctca cttttgcatg tttttactga tcattcgata tgctaaccgt tctcagccct 360  
 gagccttgga gaggagggct gtaacgcctt cagtcagtct ctggggatga aactcttaaa 420  
 tgctttgtat attttctcaa ttagatctct tttcagaagt gtctatagaa caataaaaaat 480  
 cttttacttc tgaaaaaa 498

<210> 537  
 <211> 97  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 537  
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 cactcatgtg caaacacata cagcagaat agggatc 97

<210> 538  
 <211> 267

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 538  
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gaacaataaa ccaaccatta catttagacc tgggcttttg aaaaacttgc attccatttt 120  
aacaattcgt atgtatctaa caaatacata aatccagatc acaaataatc ttaagagtta 180  
aacaattaag aaacacaaag aataccacat agatctacct ttaaatatca gcattcatat 240  
tataagagat aagaaaatgt tanaaag 267

<210> 539  
<211> 519  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 539  
aaccacanaa gagtagcagt ccattttctg gaagngcgca tgatattatg ancaatacaa 60  
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gtgaaattan tntgaattaa acttcngttc anaatgtaca gtattttgca tatgtngact 180  
ttacttaatn gtncattntt gtttccaaag ttaangttaa atacctgggtg cataggttgt 240  
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tacaagtatc acagctgcat atattttctga agtggttaga acagaggagg atgctggaaa 360  
gttgagttct ttaaaatctt cgttcaaaac aagagatttt catctatgtc ctcttcttta 420  
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<210> 540  
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<212> DNA  
<213> Homo sapiens

<220>  
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<223> n=a,t,g or c

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cttcagctaa cttaccccaa gagaaaaatc tggcattgat ctcttggtta gcattattac 180  
caatatcaac tagcactatt aaaatcaaag ttgaaatggg acattcattt gccaaaaaaa 240  
aaaaaaagaa aaaaaaggct taaaggcaaa gaaggtgaat caacgtgcaa attagcatct 300

ggcccaattg caaaattcat ttctgggat gtgaggatt gaaccatgca cacttgga 359

<210> 541  
 <211> 328  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 541  
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 tgtatgactc tcatgcttca aaactatttt ttattcaagt gacttacaat ggccctagga 120  
 aacaagttct gttattatcc cccattttta aatgatgaaa atggacaaaag caaaagcaag 180  
 caacttaacc aatacccccatt ggccctcacag ccttttagaat agtcatatta tataaatatg 240  
 gcaataacaa tgcnctgaaa atgtctccaa aacaaactct acatttttaa aaatgtataa 300  
 caggaatcta aggaaggggt cttacttc 328

<210> 542  
 <211> 358  
 <212> DNA  
 <213> Homo sapiens

<400> 542  
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 atttgattta ggcgattcaa agcttttttc taccactttt gtgttcagaa tataaccttt 180  
 gtgtgctgt atgttgtgtg tgtgcatgtg tggcgtatat gtgtgttaca ggttaatgcc 240  
 ttcttggaat tgtgttaatg ttctcttggt ttattatgcc atcagaatgg taaatgagaa 300  
 cactacaact gtagtcagct cacaattttt aaataaagga taccacagtg caaaaaaa 358

<210> 543  
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 <212> DNA  
 <213> Homo sapiens

<400> 543  
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 tatcaataag atgaaaagat tcagaacaca tttatttgta tgcagcacat aactgagca 120  
 tcagaacgct tgctaaaatg gaatacacct gtaaacaat gccttaggga gagtttatag 180  
 gtagtcagct ccactgtgca aggtatgcag ctgatacctt cttgctgaat agatttttgc 240  
 agtagccaaa aaagatcaga ttttagtaat aaaatatctc aaaggatgtc aaacattttt 300  
 tagagggcct aacatgggca aaattacaat tacatataca aaaatggcac aagaatcaac 360  
 tgatttcaca gaaatactaa taaaacattt cagggtctat tattaagaga aaaaaatgtt 420  
 tgact 425

<210> 544  
 <211> 430

<212> DNA  
<213> Homo sapiens

<400> 544  
gaacaaacag catgcactgt ggtatccttt atttaaaaat tgtgagctga ctacagttgt 60  
agtgttctca ttaccattc tgatggcata ataaaccaag agaacattaa cacaattcca 120  
agaaggcatt aacctgtaac acacatatac gccacacatg cacacacaca acatacacgc 180  
acacaaaggt tatattctga acacaaaagt gatagaaaaa agctttgaat gcgctaaatc 240  
aaataaaaac cctttattat aataaaactgt ggcaatactg tggctatcat gaaaaatatt 300  
gtaactattt taaaagcaaa aggaaaaata ctggcagttt gaaactagca gcaaaaagca 360  
gataaaaata gaatggaaga taacataaga ctaatatcaa aattctaattg ttgatactgt 420  
gtaggattgc 430

<210> 545  
<211> 616  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 545  
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cctgggcagg ggagggccgg agcaggtngc aggcgtcagg cttaggacag ggaagggggc 120  
tcaggatggg gaagggctct caggacaggg gaaggggctc agaagagagc agggggctta 180  
ggacagggaag gggcactcag gacggggcag ggaagggtgt gggggcagtc gccacctggg 240  
taggaagcag tgggtgtttg gacaggaggg gctggctctc cagtgaccca ggtggacacc 300  
ccaggcctga ctcacggctt tttggggaca tagtggtgga tccagtccaa gtagtaggtg 360  
acacgggtgt agatgccagg ccggttgggc tgggcacagc tncgntccca gctgaccacg 420  
cccgcctgta gccaggtgcc attcaccttg cacaccaggg gccctccaga gttcgccctg 480  
gcatgagtc ctcgggtgtt cccggcacac agcatgtcgt tcacggatga tgccgacgtc 540  
gtctcccgtg taggcgccaa agtgggtatt gcgtcacaaa tgtgggtttcc attatgggga 600  
ccttcactgc ttcagg 616

<210> 546  
<211> 428  
<212> DNA  
<213> Homo sapiens

<400> 546  
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tgattccttt agctctaaat ggatacatat gtgccccgca gacagtatac acgcagggat 120  
gtgactgagc cacagtgaca tagcaaacc cagagctggc ttgtgaagcc atcgtgatcc 180  
caacaagggtc tatgttagca attggtgaaa gaagaagaga gtgagatggg acccagggtg 240  
gcctggagggt gggatcctgt gggttttcag agcaccacc agtgctccct tggtagaccc 300  
agcaccacct ggaagtggag ggaagctggg tcgctgctgg aaggagaga ggctgactct 360  
ctacccctca cctctgcaag gaactgaggc ctgtagggtt gcggctgtca ctggctaaca 420  
ggtctgtt 428

<210> 547  
 <211> 436  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 547  
 aaaattagaa agtgggtttat ttgcaattta catggattcc tctactttgt gaggttttagt 60  
 ataattgaaa tgtattgcaa ttttcaggaa cattacctac aaattgatat taggtggtct 120  
 acagcttgta attgatgtgc ttcatagata agatggcagt aatgatgttt taaatattct 180  
 agtgctcact ggatttcatt tttgcaggca atttgcagct cctctgagta aaacatttat 240  
 attcaattac agagtctgat aaataggatt cccgccaccc cacccttctt aatcactgca 300  
 gagtattaat aagtgtcttc ttatggctga tttcttgagc ggagcaaaga taagattata 360  
 gccaaatttc tttcaaaacc tcagcagcat ctcttcttgg gtagccattt agatattttc 420  
 ttccacctct ttgact 436

<210> 548  
 <211> 454  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 548  
 tatatgggaa catactgttt attcaataag aaattaattt tttatcgttg gatttgaata 60  
 aattttcttc tcccaagcaa tctgattggc agtacaccat tgcagcatat actttattat 120  
 tatcatcatt attattttcc acaacattta ataccaagtt tccttctctc acatagaata 180  
 ttaccaata gaagtctcca aaagggggcca tagcacattc ataacaaaga tagaaaagaa 240  
 aactttcaat gtctgtcttc caatatgatg attcaactaa aacaaagctg aatttctcag 300  
 ctatgaaact gaaaaaatga aaatcagccc atgtgtacat cacggccagc catgatcatt 360  
 aacacctcca tgganatgag gggagaaaag agagaaacaa ctgcttcctt cttacccaaa 420  
 cttctaatat tagcttcaaa ttactttaaa aaaa 454

<210> 549  
 <211> 436  
 <212> DNA  
 <213> Homo sapiens

<400> 549  
 tacttttagtg ttgatcagtt tattagtatt tttccaaacc tgaagaatgg tgaaagtttg 60  
 tggtagcagtg tggggaaaac agtaagtgtg gctttgggca agccacttcc cttctatggc 120  
 tctcagtttt cccatctgca caatgagggg gttggagtgt gtggtctcta aggcactgaa 180  
 tttcagctctg ttctccatcc atcagtggat atgtgagatg caatgcaggg gtgctggcct 240  
 gtccctggta atgagcgagg atatgagcaa agcagttagt acagcctgga attccagcta 300  
 ctgaggaggc tgaggtacga gaatcacttt gaacttggga ggctgagggt tcagttagct 360  
 gagatctggc cactgcactc cagcctgggc gacagagtga gactctgtct caaaaaaagg 420  
 attctacgac tatgat 436

<210> 550



<211> 421  
 <212> DNA  
 <213> Homo sapiens

<400> 550  
 ctcacatctt tttaatcatt catattgact taatcagggt gacaaaatct caggggttggt 60  
 ctgggatcat tcacaaatca gaattactca gagaaatttt cacagcagtt gcagcagcac 120  
 aaactctaac gctgatttaa attaataact gttattaatg aacaaacttg aaaaaggaat 180  
 ttcatataga acattacatt tctccctgac actaccgtat cataaaaaatt aaaaatgata 240  
 taaacatgtt ttaaagtcatt agtggtagaa ccagccacac tacagtgcgg cattgttaga 300  
 agttcgtctc caagttgact cagcttagta aagcaaattg ttctctgaga tttcagcttt 360  
 gggttagtcct ctttggctga catgaacatt atggagtgtt aactggtggt agcaacacat 420  
 a 421

<210> 551  
 <211> 427  
 <212> DNA  
 <213> Homo sapiens

<400> 551  
 tttacaagc caaagttgta tttttttaa caggaaaatt atgtcaatat aaaacagata 60  
 aaaagacaaa aatcaaaaaca cacaacacag aaaagcacia cactcaagac cagtgcacac 120  
 ccttcccaac ccacttccca gggttttaaa ccttgattac agatcccca ggattagact 180  
 gtatcggaga ggtcacagta ttgaatcaga aaaagaagac atgtttttaa aggtctgtac 240  
 acaggtagtg gtgtgtgggg tgggggatgt acacttcac actccaacat caaaaaacat 300  
 gatgcaaaaa ggatttcagc gatgaccaca gatttctaga accctaccac gtatgctagc 360  
 cccctcccc atccactttt aaaagttgct tttaaaaagg ataaaaagt cacagacact 420  
 ttcgtaa 427

<210> 552  
 <211> 391  
 <212> DNA  
 <213> Homo sapiens

<400> 552  
 tttttttttt tttcaagtaa aaacttaaaa cgtttatttc tggtagaat gataaatact 60  
 ttgcattaaa aatctggaat tcaagttttc ctctgacttc atgtccctc cctgccccag 120  
 aaccttacia aaatatttct gtctagagag ggaaagagct ggtgcctgct ctggaggcaa 180  
 cgtccaggtc cgggaaaggc actcgtgggc tgtgatctgt ctcagtgatg ggaggtctcc 240  
 actcgcccca caggcagcct cggggccaga gatgagaata tgctgtaac cagtacaggg 300  
 gctgcgtcgt ggggtcccaa cagctccttc tttggggata gtgagccct gttggggagt 360  
 aggaagggac tgaggggccc tccctcgtg c 391

<210> 553  
 <211> 114  
 <212> DNA  
 <213> Homo sapiens

<400> 553  
 gacaatactc aaagaatatt tattgttgac gcttttttcc ttatatttaa cattttgaga 60  
 taaaggctaa atgagtgtat ttgtgtgcgt atacaagtac aatcaatgta gggg 114

<210> 554  
 <211> 325  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 554  
 gttcctaaca caaatgtgaa tttattgggt gatttgatat ttaaaatagt actttttacaa 60  
 aatcatctca gaaaatatac tacattttatt aaaattccta caaaccattg cagaaaaatat 120  
 taaaccctct aaccaacctt acactcgctt tcnnnggncc ctggtgatga ttttcacagc 180  
 ttccatagtt gcaaagaaca aagaaatcat cttccaacag ggggtggaatt agataagaat 240  
 aatccaaaan atattttattt ctttacagac tcacagattg cttggatggt taggggctct 300  
 taccctagga taccctaatt attca 325

<210> 555  
 <211> 579  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 555  
 ctgtcaccca ggctagagtg cagtggcatg accttggctt actgcaacct ccgcctcctg 60  
 ggttcaagcg attccagaag agagaattct tagagtcaga gggaggagta gaaggaaaaa 120  
 gatattttaa aagctatgct tcaagaggac atttcatgct gtcaaaatga gactgtgaat 180  
 cagaaagttc tcggggaact gcaagggtgct ctcaactagg ggtcgggttcc ttctcagtca 240  
 tggcactgac tcatctccac aggggttctca cctgcgggag gaaaatggag gagttgcgcc 300  
 tgtcagaaac tgtctgtgtg attcggggaa gaatatggag tatcttagta gcattccatt 360  
 attacttgcc cctaaataca tgatgccagc cccctgcaca gataacctcc tggcttttat 420  
 agctgaaata tatttgatct aaaccacgat ttgacatctc agagagagag aagtagataa 480  
 aagtctccat tccagggttg cagtagggat cctgcagaag tggctgaaat gaatttgggc 540  
 caacagagaa taagttctac agtcatttgt tcngccaat 579

<210> 556  
 <211> 379  
 <212> DNA  
 <213> Homo sapiens

<400> 556  
 attactatac catttatttg atgaattaat caatgttcaa atggaagagg ttttgacaat 60  
 gtcactatgt ttgatgttta tacctgccct gaatgcttgc tcagaagaga aacagatttc 120  
 ccagtatttt ttataactta ctttcccatt gtcttcaatt aatttgctat tatcccaagt 180  
 agacagacaa cttcagtagt agccatctcc ctacattttt agatcactga aaaaaatgga 240

tgagcaaccc	atgaaaataa	ctagcttact	gaaatgcttg	tcttttaaag	aaaagttggg	300
attattttaa	aaaaaaaaatg	gccaggacc	agttagctag	gagatctggg	agagagaagt	360
cattgccttg	gttctgaca					379

<210> 557  
 <211> 427  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400>	557					
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ggtaagggtc	ccttccttnc	catccctcta	cncanaagac	accctccana	gganagnaga	120
agccccagag	cctgctgcct	cagaggacct	tggaggcaga	caaattgttg	tagtgatctt	180
cctgtccctc	gagcaggtcg	cggttaggtg	gcaatctcct	gctccagccg	cgacttgatg	240
tccatgagcc	gctgggtactc	ctgattctgc	cgctcactat	cagctcgcac	atcgcccagc	300
tgggttcaat	accgctgata	agcgctgga	tatgcgccag	tgggctccaa	agcgcgctc	360
cgtttctgcc	agtgtgtctt	ccaaggcagc	tttcatgctc	agctgntgac	tgcagctcaa	420
tctcaag						427

<210> 558  
 <211> 424  
 <212> DNA  
 <213> Homo sapiens

<400>	558					
ggcagctcac	tccaggttta	tttcagggca	gtttgggggt	gggggacaaa	gacccccctc	60
cagctcctaa	actgggtcac	ttttctccca	ggtgaagggg	accatcctca	tgggatccta	120
tcgatgtgag	agctttgtgt	ccaccaggtg	tggctgggtg	caccaaggtg	aagggtttga	180
gggctgcaca	gggaccccc	gcaactggag	tttggcctcc	tccctcagac	tggatggttt	240
cccagggttg	gaaaggggca	ggtctccctc	ctcagcttgg	gacttctcag	agggaggagc	300
tgagtgtctc	ctccctcaga	cccgcagccc	ctcaaggtgc	tgcgatctgt	gccaccctct	360
ttgaccggtc	cctctgccct	cagactagcg	gaacaaaatt	acacctgaaa	gtggaggagc	420
gggt						424

<210> 559  
 <211> 432  
 <212> DNA  
 <213> Homo sapiens

<400>	559					
acattgtaac	aggtttatgc	atattgaagt	gccttctaca	catccaccca	gaggctctgc	60
tgatttcact	tatgccagg	ctataaaatg	cctttctctc	atccccagt	agagcactgg	120
gatcaccact	aggcctagg	ggcatatcaa	gggtttaata	gactggggga	atgggcaaca	180
gaactggcta	ccttagaggc	tctggaatgc	ccccaccca	tccaccacc	aatggaagga	240
aagtcaggca	tgcctaaaag	gagtgggtccc	tatctagccc	caagtctgga	gcagaaaggg	300
caggtccatt	ctggcccaag	tgacattgtt	aagatcctgt	cccctcccc	aatcactgct	360

gcttgccagg gtgcctcttc acagttccca tgtggcagca gtagtggcag aggcagaagt 420  
ggacttattg ta 432

<210> 560  
<211> 411  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 560  
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ggacagaata atacaatatt aagtccaaat ccaacctcct gtcagtggag cagttatgtt 120  
ttatactcta cagatttttac aaataatgag gctgttcctt gaaaatgtgt tgttgctgtg 180  
tcctggagga gacatgagtt ccgagatgac ccaatctgcc tttgaatctg gaggaaatag 240  
gcagaaacaa aatgactgta gaacttattc tctgtaggcc aaatttcatt tcagccactt 300  
ctgcaggatc cctactgcc aacctggaatg gagactttta tctacttctc tctctctgaa 360  
gatgtcaaat cgtggttttag atcaaatata tttcaagcta tnagagcngg a 411

<210> 561  
<211> 374  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 561  
ttaagacaaa cataaccttt attctctctc aaaaaccagc agaacagggc ctggaaccat 60  
attcgttaat ttaaccagaa tcagaatact ttaactttca tagtctcatt taaaatttta 120  
tagcaatata ctgaccattc taaaaataac aaaatacatg ttgctctcaa ctacatagtt 180  
aaaaaaggta gtaaattctc ttacccaaaa tagaggaggg gtgggctagt gagctgctca 240  
aacatttgta acaataaaaa atgtatctat atacatataa tgatcatgtt ttcatagcct 300  
aaaatcacca ttaacaaaat ctaataataa aattgtgtcg tggtcaggag ttgggaagcc 360  
aacacattaa attn 374

<210> 562  
<211> 479  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

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<400> 562
atcatcataa aaaatattta ttataaaaaa ttatcacatt tctctgtaca tagcataaag      60
acaaaaacac aatgtatata ttaataaatt aagtgggcct gagtattcag tatccatcta      120
ctagaatcct aaagctcttc cccagatttc acaaaggcca atgtagatta tttctatttt      180
atcaaagttc atttgcacag ttggtgtaat tgagatacta acatttcttt tttctagtgt      240
tttaaagata gttcacagta tttgagttaa ttaattaatc aactgattta aatctttggg      300
aaatacaagt atttacctgt aaaaatgttt agctcaaatt tcagtaaaaa actggaaatg      360
accaataacc tactgccaac tgttttggtg taatccagaa atgcatgagc cggactccca      420
ccattaagaa atggcactgt cnaggacctc ngatgataaa actggaatcc ncaaaaaat      479

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<210> 563
<211> 156
<212> DNA
<213> Homo sapiens

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<400> 563
tttttttttg caaatttttaa cacaagattt tattaaagac gggcaaattg gtgaggcata      60
cctgaatttc tggagatata caaatgcgtg aggctggcat catatgcaaa tgtggcttta      120
caaattgggtt ttattttcta gctgtattta aagagg                                156

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<210> 564
<211> 108
<212> DNA
<213> Homo sapiens

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<400> 564
tttttttttt tttacttttt aagctttttt attcttgaaa agttcaaaga tatacaaaga      60
tagactatgc aggataatga gccccacat actccgcac tcttgtct                    108

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<210> 565
<211> 213
<212> DNA
<213> Homo sapiens

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<400> 565
tggacatctc agatgtgact cttgctgcca ggctagaatt taggctatgt gataattctc      60
agctgtccta caatgcctgc ttcttgaaag aagtcggcac tttctagaat agctaaataa      120
cctgggctta ttttaaagaa ctattttag ctcagattgg ttttcctatg gctaaaataa      180
gtgcttcttg tgaaaattaa ataaaacagt taa                                213

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<210> 566
<211> 559
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 566  
tacaatgtgc atttttattcc atatcattat ncaatgttta catatagtta anactctcaa 60  
ganaacgtcc ttaccagtt gtatgtggtg tctaaatctt taacatgaag gactgaaaag 120  
ggtggaaatc cacactgatt gttatcctac agattgtcat gagctgcacg tgncaatca 180  
ganaggaatg gaagtctcag aagagcagcg tggcttacag acccttggct ttagtgaatt 240  
caggcatgcy ggatccatag tctcatcttg taggtaaaac tcaagacaaa nataantt 300  
ntgttggaca gagttcntac attggtacaa tgnntnaaca aaaagaccca caggggganc 360  
cttttngttc aaagtnggc ccaattccac acctgattgt ggtntccaac attnaacctt 420  
cctgtttgnc tccancattg ggcccttttg aaagggaaact tctcctgcnt tagntgaggg 480  
attcccangn tnantaagcc cactggtngt ttgctaaann cncctacaan gtnttggcgg 540  
catnaacccg ggaaantgg 559

<210> 567  
<211> 433  
<212> DNA  
<213> Homo sapiens

<400> 567  
ttttaaaaac aaagccatga aaaagattcc actttatttt atttattatt gttattgtta 60  
tttttacaac caatagattt gctgcaacat gctctggctc atattattga attaaaaaat 120  
ttaacacatt tcaaaaatat caaaaatata ctataatgag tcttaagact acaatacgac 180  
aatgattgca caaaaccgta agatatgagc ccactgtctg gatgacatcc attggcaaca 240  
gtgagagaaa accctatagc atctgggaga agtgcattgaa atttagaata caaggaactt 300  
atgtgtgact gactgatcac caaatgaggg aaacagagca ggattgactg tagctgcttt 360  
ttctcaatct aggaagtgtc taccccaact atggggcaaa agtcactaac tgggaaagat 420  
taacttgcct tca 433

<210> 568  
<211> 394  
<212> DNA  
<213> Homo sapiens

<400> 568  
ttagcatagt catcttagct ttattgagta aggcattcca atctctgcta agattcttct 60  
aaatgaacgg ctgatttttc tgccaaacta tgcattggctc aaagagaaat caccacctgg 120  
ccaccccatc ctgtccccct acaggacact aagggttctt acagataaag ggacgatgca 180  
ttcatgcctg gagaactaat cacacctgat ttctctggga tctaaaataa tgtcaaattt 240  
gattcacttt atgtaaagaa aatctttttt ttctgcaaac cccttcagaa caatgctgcc 300  
atccatgcaa gatgtgtgta aggccacctc tgtatactaa gaatggtgcc ccagcaggtg 360  
gaaggatggc acacctgctg agcgtgggca cacg 394

<210> 569  
<211> 325  
<212> DNA  
<213> Homo sapiens

<400> 569  
gaggtggaat gcgtgtgttt atgtaggtag aaaaagtgc cagaacagtg aggggtgcagg 60  
gagcaaggac gtccctggcct ggcctccgat tgcgtggaat tgcaaggacc ctccccagt 120  
aagggggctc cctcaagggt ggggaatagag tggaggcccg cacgggagtt cttgtctgtg 180  
tgcaatccac tttgtgggcy tgtgggttta ggtctggctg ggccgtttct gaacttgacc 240

cctgagaact	catagtacct	taggggcggg	gctctccagt	gggtggggcc	tcccgtcttg	300
agagcaaggc	ctcgggggtct	ggagg				325

<210> 570  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<400> 570						
gaagcagttc	tctttataaa	gtgttatttt	gatagtttgt	ggattctaaa	atatatatat	60
atztatataa	acaccatata	agtcaaatat	gtatttaaca	aagcaatatg	tattcattca	120
ctttcaagat	ttgttttggg	gtcaaaataa	catgaaaagg	tagatggagt	tgcttctgtt	180
gaattagctc	tgccaccaat	atgtatcttc	atacacgttt	ggaaatgttt	cctgcagcat	240
taggtatgac	ttgttctgag	tactgcttcc	gggtgctaaaa	tgaacaaaga	atttgtactt	300
aatggcatgg	actctggaga	atctatgcga	atcaaccttt	ctaccttaat	atctccccaa	360
aaatgtatag	tgctttgttt	ttatgtacag	tttatataca	gaaaagtttg	ctctgcattt	420
ttgatgtaca	gtttatatac	agaaaagttt	gctctgcatt	tttgatgatg	gtttggaaca	480
ttatctacaa	ttttactc					498

<210> 571  
 <211> 456  
 <212> DNA  
 <213> Homo sapiens

<400> 571						
aaatacttta	gaagatcata	cttttcaaag	attttactaa	atcatttttt	taaacaaaat	60
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aaaattgtta	atattgcacc	caacagtatg	tctttgacac	atttgcattg	tcaatctttc	180
ccacaatttg	caaaaacagg	agagaaatct	gaaactaaca	gaattacaca	agctaagttt	240
tctgtaaaaa	aagaaaaaac	ttacaatttt	ttatttacia	gttaaggaaa	agttgtaaac	300
gttcaggatt	ttacttccac	agaataaaaa	gccatacatt	cttttatcat	acctagaaaa	360
tgaacatata	cacattgtga	ttacctcata	ggaattcaac	aggactgata	ttgtgaacat	420
tcacagccca	atggtaaaaa	acagaattct	cgaact			456

<210> 572  
 <211> 382  
 <212> DNA  
 <213> Homo sapiens

<400> 572						
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agggaaaaaat	ctttcagtat	ttccatgaca	cattctgttt	acaataattc	ataaactggg	120
aaaattcatt	ctaagaaaaac	ttggcaaatg	aaactttgga	ctggaattgg	catttctttc	180
tctgcttttc	gttcccacca	tttctttctt	ttatactaca	gtattcatat	tttaaaatgt	240
tttaaattat	ttcagaacat	taagatagca	gttacatttt	ttaatagtta	tattatttta	300
aatgactct	ttaaaataaa	gttttagaga	aactatatta	tggatagggc	tgatttacat	360
tttcaaattt	tctaaaatca	gc				382

<210> 573  
 <211> 262

<212> DNA  
 <213> Homo sapiens

<400> 573  
 gcagttttaa atgattttaat tgacaaattc ttgtgattta catttcagta atcaactgca 60  
 aaagtgagga agtaattcat gggcctgtag tgcttttgaa aataatattt atgactcata 120  
 aaaatgtaca ttcataatag tatgacatgg acatatttta agaaagttca agcatataca 180  
 agcattgttt aatctcacia aatatattaa ttatgttggg aatatgtgca ttataaaagg 240  
 gtcttttagtt taccaaaggg tt 262

<210> 574  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<400> 574  
 tttttttttt cttatccatt gaaggtaact taattttgca gttattgatt aattaaaaaa 60  
 cacagttggt ttcagcattt cctagctaca gtagtgata ggaaattcca ttctaataca 120  
 agaagtaatt aatgaaataa caacacacct taacatttta cattgatagg ttacagttta 180  
 caaggtgctt tcacatacat tatttcattt gattcttaca acaagcagaa aaaacagtgg 240  
 gaaagatttt ttttttcagg cttacaatga gtattttcag gccaatgggc agttaacaca 300  
 agaataacc aagaatgaga cagcaatacc cataagccac aatatcgttt ttggtaggtt 360  
 gacagtttga ttcaactggg tattcagcat cgggtgagt 398

<210> 575  
 <211> 376  
 <212> DNA  
 <213> Homo sapiens

<400> 575  
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 tagcaaaaac aaggcccagg ctggggcagg ggcagtagtg tgaaggccct ggattctcac 120  
 tcatgtgaga tcttgaatct ctttctttgt tctgtttgtt tagttagtat catctggtaa 180  
 aatagttaaa aaacaacaaa aaactctgta tctgtttcta gcatgtgctg cattgactct 240  
 attaatacaca tttcaaattc accctacatt cctctcctct tcaactagcct ctctgaaggt 300  
 gtcttgcca gccctggaga agcactggtg tctgcagcac ccctcagttc ctgtgcctca 360  
 gccacaggc cactgt 376

<210> 576  
 <211> 342  
 <212> DNA  
 <213> Homo sapiens

<400> 576  
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 aaaaaataatg gcacctgctt tggattcatt gatgacacca caatggggtg aagatctaca 120  
 gggaatttac aatttttaggc tgacatgaaa ctaagtagta actcaaaaa tggaaattct 180  
 gcaacaagcc tcacaataaa catttccagt ttctactttc agagttgcta actactgcct 240  
 aaacatatct taaacacaga gcacgttttg ttgaaatatt tctcttagga caaacacagt 300  
 agacatgctt taaataaatt aaaattgcaa cacataaatc at 342



<210> 577  
 <211> 302  
 <212> DNA  
 <213> Homo sapiens

<400> 577  
 gactgaaaac tactttatatt gaagacattt tcttctatag ttctaaacac aaaaggaatg 60  
 ctgttatagt gggatatttca taggcattct tgtattcaaa tgaatcacat aatgtttaca 120  
 cttttaagct acacttgaaa ttgaagactt aatacaacct tttaacaaag aaagtatcag 180  
 tcatatcaaa acataactat tcattctaca gattatcact ttccctaaaa tgactactag 240  
 atatgaaaac attgcaggga cagctcaagt gccccattct taagggtttt ttttaatagg 300  
 aa 302

<210> 578  
 <211> 410  
 <212> DNA  
 <213> Homo sapiens

<400> 578  
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 atcctacgtg atataagtat atatacaaaag aaaaaaacia cattggaata ttacacagct 120  
 tgaaggtttg caaaggttat ttgtgtctta gttattttctg cacttaatga cacatcagac 180  
 gcattgagta tatttcataa gttgttgact agcaaagata caatcattag taacccaagt 240  
 cttcaaaatt cacaccaaac tttatgaagt cattcagaaa gagaaagtca atcctaaaat 300  
 taaaattggc aactatgata aataccttca aaaggatgta gatgtaatgg agatgtttta 360  
 aagtttagtt tcattaattg taaaattagc atgttatatt tactcaatat 410

<210> 579  
 <211> 376  
 <212> DNA  
 <213> Homo sapiens

<400> 579  
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 agaagtgaga tcaggcagtg ggtgtctgca cccacacagc catgttggct ggaacagcaa 180  
 agtctatctg ctgagggttta ggcaagttca ggttgcccat gattttgaca aactcctcac 240  
 agctgagggg gagccgaggg ttccagagtc tctcctctc cacgggtggac actgtgaacc 300  
 catggtaatc gtgagcaggg tagatcagac agtctcctgg aagtgtgaag atcttttcat 360  
 ggaccgagtg gtaaaag 376

<210> 580  
 <211> 275  
 <212> DNA  
 <213> Homo sapiens

<400> 580  
 accataaaca aataaaattc tttattttaa tttctcttgt ggggaaaata tttttcttta 60  
 aagcacactt aaaagtaatt tgcattttact tcctgtaaag catttccatt tcacaattag 120  
 caaaactaaa aggctatgtc tcttcatgca tttatttttg ttagaaaaat gtcccatggt 180

gctatcaaac	cgattttaac	catcatcaag	cttaactttg	cctctgttga	caacatgact	240
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<210> 581  
 <211> 435  
 <212> DNA  
 <213> Homo sapiens

<400>	581					
aacgtcccaa	taaaagttaa	tttatggaca	ctgaaatctg	aatttcatat	aaatttcacg	60
tcataagttt	tcttttttcc	tccaaccatt	taaaaatgta	aacattagtc	ttagcttgca	120
ggcagcacia	aagcgggtgg	tagaccaa	gtggaccag	gggtgagttt	gccaaaccct	180
tttattagat	caccaaagtt	acttttctta	aaataccttc	tatttttcac	agaaggata	240
aatggtaa	aacatcttaa	agcatcggtg	gtagtggata	ccttggacat	cactgtcact	300
ctcttaccgg	gtttaatttt	gcatggctgg	tgtgggcgta	attgagtgtg	catgtagagc	360
atctttataa	tattaccatc	agcacatttg	gtacttgcac	ccttgtagtt	ctaggaaaag	420
tcctaaaaat	ctata					435

<210> 582  
 <211> 425  
 <212> DNA  
 <213> Homo sapiens

<400>	582					
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agtttaaaat	gaaatgacaa	atacattgac	atgtcaagtg	tcatttttta	tggtattatg	120
cttattcaag	gtgtgaagat	acagaacctc	tttataaatt	tctggcatca	aagattccca	180
ccgtagataa	aaacaggttg	gttataaaat	gtcaattcat	taaatattca	atttttgttc	240
tttggtttta	taaggaatat	ttttagataa	cagtataaaa	tagagtagac	ttttggaaat	300
tgaattataa	aatttttagaa	aaaagtgtta	agtcctaact	tttctttgcg	aaccaacaag	360
agagtctagt	tttaccttgg	ggagttacct	gtgaagtgca	ttaggcggct	agagctgttt	420
cagag						425

<210> 583  
 <211> 392  
 <212> DNA  
 <213> Homo sapiens

<400>	583					
ctgttagaga	cattttat	agaggcaaga	aatggttaat	aagatgagac	ccttgggtct	60
aggagcgttt	tgctctttt	ttttcttccg	ttagagtgc	agattttttg	ctgttggtga	120
aggcccttga	agactgtagt	ttaaattcaa	ctggaaagt	gtcgctgaca	tccagggcct	180
ccttttcagt	cagcttgtaa	gctttctgga	agtcaaaaac	actgtttgac	ttgggaacaa	240
cagaactgac	gatttctt	cctctaagca	caatcctgtc	atatgcacag	ttggtgctct	300
tcttcaccgt	gggtgcctct	tggtccccga	tcagccaaac	aaacctgggg	tcagtcctca	360
agcggatgtt	cttccaggcc	ttcttgggga	cg			392

<210> 584  
 <211> 353  
 <212> DNA

<213> Homo sapiens

<400> 584

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ataagagtct	gtccaacccg	acaagttcca	gaccccaccc	tgccctcaca	tcaggctctt	120
ccggtactga	ctgtgcgggg	tggctctgtc	gagggtgggag	tccgggggtc	gcagggtccat	180
ctgtctgtac	aggtctctca	gtccctgac	ctcctgcagc	accctctttg	cctgggtcca	240
attcgatgat	gcctctccca	gcagccgttc	cgtctccagc	agcagctgct	ctgactcaga	300
atccggcgga	gaccgagggg	ggtccttggc	ctttcgttcc	ccatctccca	gtc	353

<210> 585

<211> 460

<212> DNA

<213> Homo sapiens

<400> 585

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ggagcagttc	acatagagta	gaatgtggaa	tttcccgtga	acgtctcctt	cctccccctg	120
atctgccgcc	tgtcacttcg	ccaccgtgct	agaatactgt	tgtgttgtaa	gatgactaat	180
tttaaaagaa	cctgccctga	aaagtcttta	gaaacgcaat	gaaagggagg	aacttgtcct	240
ttaccagatt	tttcctttgt	aggatgggaa	agtataaaaa	ggcacagaag	gttgtcatgg	300
gctgttcctt	gggggttttt	atcctgctca	ccgtggagat	aagcctgcgc	tatgtctaac	360
cagcgcacgc	caaaggtctc	aatgcctttt	ggtaacatcc	gtcattgcag	aagaaagttt	420
acacgacgtc	aaaagtgacg	ttcatgctaa	gtgtttttcc			460

<210> 586

<211> 491

<212> DNA

<213> Homo sapiens

<400> 586

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gcagcacagt	gagcaacaag	caacagtggg	cagtaaagt	atatgactca	acacattgcc	120
acagtctcag	cttggctgtg	tggtagatgc	tgccaagggg	cgggtgccaa	gagagagcag	180
aatgaagcca	ggcccccaag	gaagtgaggg	cccaaaatag	ggagtgtggg	tgatgagggg	240
ggagttcaaa	tccagatgtc	agagctacaa	tcgccccag	ggtagcggac	gtcatgggca	300
agggctgggc	taaggggctc	cttcccgaag	tccaccagga	agttgggggt	caacttcagc	360
cctcctttta	ctgtgtctac	atcaacctgc	agcatcacag	agccttccct	gatgagatca	420
gggtaaaact	gcttgtccca	ggcactgtac	agcgacgtgg	tgatgtagag	gcgcttccca	480
tccaggctga	g					491

<210> 587

<211> 257

<212> DNA

<213> Homo sapiens

<400> 587

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agaaaaaaga	aatataattt	ccatattcat	tcttatagag	cattgaaaaa	acataattgg	120
tagagaaaaac	tgatagaagg	taaatagaaa	aacagggtttt	aatatagtca	gataatgcat	180
aaacacaaaa	gaaaatacct	aatcacttg	cttataacag	attttattct	cttatttttca	240

tactgaacta tgtgtgc

257

<210> 588  
<211> 313  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 588  
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atcatgagct ttttccaact cctgatgaaa aggaaggaac tcattccctt ggtggtgttc 120  
atgactgtgg cggcgggtgg agcctcatct ttcgctgtgt attctctttg gaaaaccgat 180  
gtgacccctg atcgaaaaaa aaatccagaa ccttgggaaa ctgtggaccc tactgtacct 240  
caaaagctta taacaatcaa ccaacaatgg aaaccattg aagagttgca aaatgtccaa 300  
agggtgacca aat 313

<210> 589  
<211> 299  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 589  
gcaggccaaa accntagttt atttcagcat cagcagtatc ttagccatca aaaaaataaa 60  
ctntaccaag ggtgacggaa gtntctacag caaggntaag ggctcgccag acggcgaaca 120  
tcaggggtgc atgggtggga ctgcccaggc aataagtnag gaagcagcag ggctggtntc 180  
gggtgtgggc cgggcttnat ttctgggcag gcatgaggtc gtcgatggcc tggccctgct 240  
ccagccgctg ctccatctcg atgagcagct tcactccgtc caccaccatc ttgcaccag 299

<210> 590  
<211> 413  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 590  
attttaagga ctataaagag tttgatttaa aattatgcag ggcccctatg tgggattttt 60  
taaaaagcaa actggtgtgt attctcatgt ggtttgcaca gccagcctc acagcactat 120  
tgtaaaccct gctctttctg tctcgctaga cagatttttt tgtttgtttt cttttttctg 180

gttggtttttt	gttggtgttg	ttgttggttt	acagctgaaa	ccaaccagca	agcccttgat	240
gaccaagagg	cgtttctttc	aaagctatag	ggcacaaaac	attgaccata	gatgactccg	300
tttgcattct	tctgcagaat	tatttccttc	agggacagat	tttccaacct	aaggaactac	360
ctaccngtg	tattctcttt	gacgggggag	agatgaaccc	ttcagctggg	tag	413

<210> 591  
 <211> 174  
 <212> DNA  
 <213> Homo sapiens

<400> 591	
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acagggtcaat	atcgtacact caggaatgtg ctgcacaaac tttatccagt tagcagtgat 120
caccccgtag	cccacacaca gcttcgatat aagcctagaa agtcttaaca ttaa 174

<210> 592  
 <211> 286  
 <212> DNA  
 <213> Homo sapiens

<400> 592	
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gatgaaagag	aagaaggcta tgggtcaacac aaagtccagt acaggggttc cctctatcag 120
acagggatag	agatagggtc agcaaaccgc acacgggtacc tcaggggaaa ggcaataagg 180
tgggtggtag	gcacacaggg gtttgtttat tgtcattatt attactcttt atacttttagc 240
atatatatta	tatgtgtata tacatatcta tattccattg catgta 286

<210> 593  
 <211> 340  
 <212> DNA  
 <213> Homo sapiens

<400> 593	
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taaaatgtgt	aactgttttc ctggtagagc aaaatttctt gaaaggggccc cagttgagac 180
tttaagcagc	gtttaaacag cctgcctccg tgtccagcat ttaaatacagc acaagagaat 240
cggctgcctg	tgggcctgcc tgagcctcag cctagcttgg agtctgaggg tccaaggagg 300
cctgtgtgta	taagccatcc catggtcacc ctcttgaca 340

<210> 594  
 <211> 404  
 <212> DNA  
 <213> Homo sapiens

<400> 594	
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aacaattatt	tactttaaaa aatgtaattc tgaagttaag catttcagaa caatatttgc 180
aataacctat	atacaaggag tactgggtac actggcatat tagcattctg tgggtggagt 240

gcttcctgca	acagaaaatg	atgaaatgaa	ctatatgaca	gtatttttcta	caagtcattt	300
gtgactaatt	cctccataaa	tctagtgate	ttcccaaaag	caatctcaaa	tagcttaaaa	360
tataaccttt	aaagtataaa	cagtgactgc	caaacatcac	aagg		404

<210> 595  
 <211> 345  
 <212> DNA  
 <213> Homo sapiens

<400> 595	
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gtttgcccc	gcacttttaa
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gagaatacac	acggtaggta
ctgcagaaga	atgcaaacgg
tatttattaa	ggattattta
tttcttttaa	aacacacatc
cttttttagcg	ccaggaagaa
ttggatctta	gcagctgaag
gtttcttagg	ttggaaaatc
agtcattctat	ggtaattgtt
gtttctgcat	aaaaatctcc
aactcttttg	gggttgcttt
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tgccctgaa	ggaaataatt
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	300
	345

<210> 596  
 <211> 491  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 596	
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ggatgatctt	gcttggttga
aagaactttc	ccaaatgttg
ctgggcctct	gggaggttcc
gagagagctg	g
tctttatttt	aacagactgg
gcagcacagg	cctggggcga
cctctactcc	atggctgtga
gcagccaaac	ccccctccat
cccccgcat	ccttggggcc
catttgggct	ttttcatcct
taaggcaaaa	cagtggcctt
catctggcat	caggtggcgn
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	120
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	240
	300
	360
	420
	480
	491

<210> 597  
 <211> 488  
 <212> DNA  
 <213> Homo sapiens

<400> 597	
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tgttttctag	agaaagtctg
caagacctgt	aaacatcagt
taaaccagta	aaaagcgtat
agcctgccag	acaaaaaccg
tccgcttttg	tagtacaaaa
cactcgaaat	ggtgaaaatt
tgatgacacc	aaaaagttgt
cctcatcctt	agaaaggagg
tctcatcaga	tagttcagta
tactgaacgc	ttaatttttg
tatttagaaaa	tatttaaaac
	60
	120
	180
	240
	300
	360
	420

tatcaataca gttttaaata tttttgagta ttctcttgcc tgttgattg ctatttaaaa 480  
aaaagtgc 488

<210> 598  
<211> 412  
<212> DNA  
<213> Homo sapiens

<400> 598  
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taaaaacttgt ttttcttaaa aaatagttgt tgtaacatta aaccataacc taatcagtgt 180  
gttactatg cttccacact agccagtctt ctcacacttc ttctggtttc aagtctcaag 240  
gcctgacaga cagaagggct tggagatttt ttttctttac aattcagtct tcagcaactt 300  
gagagctttc ttcatgttgt caagcaacag agctgtatct gcaggttcgt aagcatagag 360  
acgatttgaa tatcttccag tgatatcggc tctaactgtc agagatgggt ca 412

<210> 599  
<211> 366  
<212> DNA  
<213> Homo sapiens

<400> 599  
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gcactctagc aggattgatg gtctctggat ttgtagctgt gaccggctcat ggtggaatgc 180  
tcgggtggtt gcactggaga ggcccacatg gtggcgactg aggcctctgt ggttgagggt 240  
ggctcatgat agctctgaaa gttgatggca caattgagac aaggacgtgg agttctggaa 300  
ctttcccagg gtccttgacg cccgagatga agccctccaa cattgcagct cactgctgtg 360  
aaggct 366

<210> 600  
<211> 418  
<212> DNA  
<213> Homo sapiens

<400> 600  
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ttcattttgt cacattagtc ttttgctgtc aggaaaacaa tctacagttt ctcttttagat 120  
ctctcaagaa aaaagaaaag cgaaaggatt gttcttcaag aaaacttcct gtgtgtatca 180  
aattcaacca tattttaaaag ctattctgac tgtgaaaatg agcattattc ataagttgcc 240  
ttaaaaaaat tcaaggtagt ttggttttta ccactgtatc aaatagtact tggcttccta 300  
ttaggaggtg ggtttataat aaaaagttat gaaacattga taatttattt ggaatgcttg 360  
aaactctttt caccttaaaa gtcactgttt ttttcatggt tcatttgatg atagatcc 418

<210> 601  
<211> 412  
<212> DNA  
<213> Homo sapiens





cgtgtggccc cttttttatt tggagt

566

<210> 605  
<211> 432  
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<213> Homo sapiens

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gaaaagtgca ggacacctcg agctacacat tcagcagtag tgtaatgcgt aaaagtttaa 240  
tcttttcacc catttgataa atacacaagg tttataattt aatgttttaa attagcattc 300  
caciaatata caggtaattc aataattatt gtgcatgaat acatacacia tgcttatata 360  
tacaaattcc agtttgtttt catgtgctgg caagggattt gtatacaatc ataagctgtg 420  
ttcatattgg tc 432

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<212> DNA  
<213> Homo sapiens

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acagaggaga taggggtgtt cctgtatccg cctcattccc atagaaaact ataagggaag 120  
aaatagaact tggaattaaa gcagcagcaa ggcgaggtga gaatgagatt tctaggccat 180  
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gggatgggat tggcctaaaa aaaccgatca atttctggat t 281

<210> 607  
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<212> DNA  
<213> Homo sapiens

<400> 607  
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ctggaggctc agagatgcca gtgttccagg aggtctcaca gcatgaaagg ggctgacta 180  
cattcgcttt tagcagtcgg aatggcggat ggtcaggcgg tggctggaat cacatttaca 240  
tccttcaaat cagcatcctg ggc 263

<210> 608  
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<212> DNA  
<213> Homo sapiens

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taatcattat aataatttgt gagtataact tttacaaata gttacttgac atataaaaag 120  
ggaaattact gtgcatataa aatttatgta gatgaatatt ccacacaaca caatcctgat 180

agcagtagtc	aacgcagcac	tcatccctcc	agatgagggg	ctctcacac	acttcatggc	240
acccgtggga	acacagtggg	agcagatgtg	caatgaacat	ttacttggca	cattagtata	300
atgggtatct	attggcaaac	acacacttgc	taacagcaat	actgaaaagt	ttactgctac	360
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aggc						424

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<211> 400
<212> DNA
<213> Homo sapiens
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gtaaaccat	tggaggcaa	agttccagc	gtagagata	tgaatata	aatagaca	cacagggc	180
agggatgat	ttaataaat	gataaaat	gatacgga	ataacat	aggacatt	tttc	240
tacttttt	gaaccacct	ctccaaata	cttcattat	aaggtgt	ctctctaa	aaggggac	300
agatctcct	agacccctc	cttaacca	agtaaccag	tgcctgat	aatgctgat	g	360
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<213> Homo sapiens
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cacaggcatg	ccacatgacc	cagttgaggt	ggttgtctcc	ttgagtctgt	tgacacgtca		180
catggtcaaa	gtctcctcat	ttcagccagt	ctcaacacaa	aacacccaac	agggatgcac		240
tcaacttggt	ggttccatgt	ggaactaggt	ggcagggcga	gagggaaagt	agtagaaggg		300
ggctatggtg	tgtctgcatt	cagtccctc	acataaagcc	acatggatct	aggggggtat		360
ccaagagctc	tggtggggtc	cgtgttgcac	ctaagacatt	ataggtcaga	gcaagttgct		420
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<212> DNA
<213> Homo sapiens
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ttccagagcc	agacttggga	ggaatctgtc	aaaaatatca	agatgctgag	ccttgtctta		240
gaaaggggct	tcagaaatgc	tttcatgggc	ggcggcttct	tccggggta	aaggctctcg		300
ggagctgcag	ggccttgctc	ccaggatgg	aaaacaggga	cccagagctg	ttaagtggct		360
cccacaaagt	cacccaacca	ggctgggcca	aactgggttt	gatggc			406

$\langle 210 \rangle$     612

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 <212> DNA  
 <213> Homo sapiens

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 aggtatattc ctccaaaacc cacacagttc agagattttc aaacaccagg tttccatttg 120  
 tattaaaatg ggcaagataa tgaaggcaca ggctcacttt gtatcaataa aggacatcaa 180  
 acacagtcac gaggcactaa tgacataagc aatcacaaaa agcaagtgtt caaagtcttc 240  
 agtaactctt ctccctttaa catttggtcaa aactcagtcg agatatttta atacctcaga 300  
 aagaa 305

<210> 613  
 <211> 284  
 <212> DNA  
 <213> Homo sapiens

<400> 613  
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 aaataagaaa aattcaaaat cgtaaaccgc taagaaaaca aattaaaaac ggtgatgaaa 180  
 atacgtcact cctctcgtta ggaacagtgt ctgtttgtac aacagggtatg ctctggaaca 240  
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<210> 614  
 <211> 430  
 <212> DNA  
 <213> Homo sapiens

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 actgggctgg ggagccgaga aggagataga taagggggag aggggtgcagt ggggcaggca 180  
 gaggaggaag tctggagccc tggataacaa cacagatata aggtgaaggc ctccctctgc 240  
 caccacagcc ctgagccaca gacgttgagg tgcaagaaga tggggatttt ggccacaact 300  
 cctttcccat gtcaaaggga agacactgag agcagacaaa ggccaagtgc ccaggggcac 360  
 aagaacaagt taacaagtaa aacaattagg gacaccacct cctttcccca gccattttt 420  
 cacatttaca 430

<210> 615  
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 <212> DNA  
 <213> Homo sapiens

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 cagcaccccc acctccagca tctctcttac cctttcacac cacagcttag atatccctgc 180  
 tccccctcca cacagaaaac cagaagtgtg gggggaagaa gctttgtggg gccccctcgc 240  
 cgtggcaggg ttaaaggagc tgggtacccta caaacctgt aaatattgtg tccatcttaa 300  
 aaaggacaaa taagacc 318

<210> 616  
 <211> 400  
 <212> DNA  
 <213> Homo sapiens

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 ttacagggtgc ccaccacgcc cggttttttg tatttttagt agagacgggg ttttgccatg 180  
 ttggccaggc tggctctgcaa ctctagcct cagggtgatct gcctgcctca gcctccaaa 240  
 gtgctgggat tacaggcgtg acgaccacgc ccagccacgt tctgagtttt gaggatccag 300  
 aaacaaaagg ctggaaagcg acaacttctac aggttttactg atgagtcagg agaaaatcca 360  
 aaaacaaagc cccactgagg gtttgtgaat ttggctgttc 400

<210> 617  
 <211> 364  
 <212> DNA  
 <213> Homo sapiens

<400> 617  
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 atgccacaca gcagtgggtt gctgctcttt gtcagaatat gtcagaaaac aaaacaaaaa 120  
 aagtttttaa tgctaaagat tttaaaaatt agttctctga aatttctgta aagccagtat 180  
 caccagtcac ataaatcttt attttggaa cataaacctt tcaaaaatgt aatgagcatc 240  
 taccacaaat tacacctctc tgaaatgtaa ttaaaagcta tccagcaaaa acaaaaataa 300  
 atatttttct agaaagaaca tatttggcat tttaaaataa tgttaaaaac agctttctca 360  
 aatg 364

<210> 618  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<400> 618  
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 atgaaaagtc gacttccatc ggtgtctgga ttaagggtca gggccgggtg ctgtgggagg 120  
 tgacactgag ccgctcctca gccctcctc ccaccccaa cgcgcacaac acatgcattt 180  
 caaatggtaa aaggcttaaa aacagcttgt atagaatatt ctttttttaa tagattaagg 240  
 ttgaaattgt ctgaaatcag gactgtgtaa tatacaagta tcaactgggtc ccgtccacca 300  
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 gggagccggg ggaccacagg catgggtttg cagtggccgg gg 402

<210> 619  
 <211> 129  
 <212> DNA  
 <213> Homo sapiens

<400> 619  
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aatgaaatct cctaccaatc catccagcct ttaccaggga agaaaagcaa ttatttcatt 120  
tcagataga 129

<210> 620  
<211> 419  
<212> DNA  
<213> Homo sapiens

<400> 620  
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ggatgtttta tgcaaactgt acattctcag cagagcacia gtatcaaagg gacattggat 180  
atatttttaaat aatgatctaa cacaagcaaaa aataaccact gaaaatataa aactcaacaa 240  
gagacataag aaaaaagcag acagaaaaaca aaaaaaattc ttatttttaga atgatgctat 300  
atgtaacttg taaaatattt aagtttttat acatgagatt atattgggtt ccttatttaa 360  
agaaaaaaat tacaattaag aatggaaatt aaaatgtaaa accaagataa atatttttg 419

<210> 621  
<211> 427  
<212> DNA  
<213> Homo sapiens

<400> 621  
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aataaaaaccg cgtctacat ccaactctgac tctcccagca cacacacact cagcaaaggc 180  
atgtgcttgg aatcaactcg tgcccccgac ccctcccaga tacattcatt tagtctgaac 240  
aaagctcgaa gctcattctg tgcaaaggaa gcgctcttgt gctgagacct ggtggccgca 300  
gctggccact tcgaaagcaa aagctaaacc acctcacaga agcacagcgc ctgccccag 360  
aacaagggga caggaggagc ttggcaacga ggtcatcacc cgaacagcag tgacagtcct 420  
gcattcc 427

<210> 622  
<211> 123  
<212> DNA  
<213> Homo sapiens

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tttcacactg catcctaaaa taagacagat actctgctgg caagtagaaa atagactaat 120  
ttc 123

<210> 623  
<211> 357  
<212> DNA  
<213> Homo sapiens

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caaattggta attggttcag attcatgagg aaaacactca gctgtatctt cattaaaagg 120

cattttacat	ttattaaggc	ttgaaagcaa	gtcctgttat	tcatcaccat	agttaaaggt	180
ctcgagaaaa	tcaagtaact	atcattttgga	gtgtctttgt	aaaatgaaac	acttggtcctt	240
ttacaaaagc	taagcatctt	ttgttaagct	agttaactcc	ccagcttata	aaataggaca	300
acgagggtggc	caggaaaagta	agacaaaattc	aaacatcagc	tggataattt	atatttt	357

<210> 624  
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 <212> DNA  
 <213> Homo sapiens

<400> 624	
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aaatacacag	gtaacatttt
tggttgctctt	gtggtcatta
ttacaaaattt	tggtctcttc
tactgcagat	aaaaccatca
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<210> 625  
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 <212> DNA  
 <213> Homo sapiens

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attggttata	tataatgtca
tattctagca	ataggactta
caaaataatg	aaattaaaaa
ccccaataga	atacttatcg
atctgtaggt	gagttatt

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 <212> DNA  
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tgatggagga	aaggaaagta
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<210> 627  
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[illegible]

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gcacagacat	aatttgtttg	gcgtgattta	aacatataaa	atcagtaatt	aacatttagc	180
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ttaaccatt	aaactagaaa	ctctcttc	ttttccttct	tcaaattact	gttttgtgtc	360
ttaaaactgag	ttgggtcaaat	ttgagcacat	aattcatgta	gagtgacaga	ctttcattta	420
gagtgataga	cttccaaggt	tcctttgaaa	atttaagata	ctggtaattc	cataaacact	480
cccacaccac	ata					493

<211> 396

<213> Homo sapiens

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gagacaaaca	ggcaactcta	ggacctttac	agtggcgatc	ggcctcacac	agcaaaatgc	180
ctccaaagtt	tagaattagt	gcaacacaca	tacgaacgtt	ttaaaggtgc	tcaacatcag	240
gttaaaatag	aattctggac	ctttttaaaa	agtttttgga	tgatataagc	acaggaggca	300
gagcacataa	gaaacatgaa	accaatat	ctggaaaaac	acttagcatg	aacgtcactt	360
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<211> 336

<213> Homo sapiens

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tttgaatggg	caagtctttc	aatttccttt	acatcacacc	aagcaggcaa	agcctaaata	180
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gcagggaccc	tgggatacca	ccagcgatgg	tgggactccc	ttttgcaatc	caaataagca	300
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<211> 438

<213> Homo sapiens

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cctgtgcaga	aatgtttggc	attggaatgt	gaggatatctc	tcaggaaaca	gagtggcaat	180
gggtaggatg	aaacctacc	attgagagtt	catgatattc	attgtgaaat	accactagat	240
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tgggtgattg	tcaggtgtgg	gggtggggca	cctccatggc	ccatcctgcc	cctcccttcc		300
tcttctctac	cacctccctc	cctctggaga	atgggggaaga	ggagagaatc	cagattctcc		360
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<400>	632						
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aactcttcaa	acatcagggg	ttgtgagggt	ttggccattc	ttttatcttg	ggtccatgtg		240
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cctcctcct	attctaaaac	tgtgcctcca	acagaggggg	aggggctctt	gtagagagat		360
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tctaaagata aacacaaattt ttcttgaatt taaaatatat gggataaatg cttacaaatg 180
gatttataaaa cctttcactt ctacttcatt ctccctggctg tgtcttccga agatgagttg 240
ctagttgcaa cattaaaaaaa aaatagctcc ttcaaactct gacactatat gacataaaaa 300
gaacttttgg caaatattta ttcagattgc t 331
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514



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 aacactaaat agtttttaatt acagtggaaa ttctgtacag ttttaaggctt ggctctgaac 180  
 tagaatgtaa atatggacca gatttgaaaa taaaacactt tcttttcaag taaaagaaga 240  
 aaaatcaatt aaaaaatata cggcacggaa aaagtaacta agaaaacaaa gccacaggaa 300  
 gccagcagt ttctcctgaa gtgaaatttc ataattattgt aaactaacia aaatacagg 360  
 tttcttccca aaataatgac aatttaagct ctctggattg aacacagacc aaagcaaca 420  
 acaaggaaga aatcgcatta atatgctaaa atcagtacta 460

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 <211> 521  
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 <213> Homo sapiens

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 catacaccag gattttataca cgggtggcagc ggctataggc acgatgatac aaaatataaa 180  
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 tgtgctctca cacacacgca caaacaaaac acagacacag gagagtttca aacagcttaa 420  
 cactgattgg aaaacaagct tggggacatc cctctacagt aactccactg ctggcaagag 480  
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<210> 636  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens

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 gttaccatac tcaaatgtaa gatagggaga ggtagaagaa atagctgaga acttgaaaag 180  
 atgtactgtt attgtcaaca aaccaatgtc ttctcccttc ataaaattgt gtttagggaa 240  
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 <212> DNA  
 <213> Homo sapiens

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 ataaatatgt tattataggc atttattact aactatagtc cttcttggaa ggaacacca 180  
 aaccaatact tataaagtac atgtaattta tagtaacata ttttactata tacatatgga 240  
 aaaaatcata ttctcacaga agagctgaac agacattcac caggatacga ctgttgga 300  
 agctgctgga gatggacctg ctaccctca gcagcctccc caccacaaga caagtgatct 360  
 caatgtcccc aaacctgtgg gacct 386

<210> 638  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

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 <213> Homo sapiens

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 <211> 1137  
 <212> DNA  
 <213> Homo sapiens

<400> 664

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<211> 2193

<212> DNA

<213> Homo sapiens

<400> 665

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 <211> 298  
 <212> DNA  
 <213> Homo sapiens

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<210> 667  
 <211> 255  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

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 <211> 269  
 <212> DNA  
 <213> Homo sapiens

<400> 668						
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<210> 669  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 669  
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<210> 670  
 <211> 389  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 670  
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<210> 671  
 <211> 382  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 671  
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<210> 672
<211> 284
<212> DNA
<213> Homo sapiens

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<400> 672
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<210> 673
<211> 438
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 673
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<210> 674
<211> 503
<212> DNA
<213> Homo sapiens

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<220>
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<223> n=a,t,g or c

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<212> DNA  
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<212> DNA  
<213> Homo sapiens

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 <213> Homo sapiens

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 <213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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<212> DNA  
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 gaaacgcnga gataaaatcn gatggggaaa attta 455

<210> 725  
 <211> 399  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 725  
 nttttacaag tgggcatgag tttttattct cagtgcacag cagtattgggt ttctgttcat 60  
 cagcaaaaag ctttattggc tccaacaaat tatccctttt aaaactcctc ttcttcttct 120  
 ggtctcagtg gaacaacaca tttgaatttc agatttgcag tttatagcat tttttttccc 180  
 taagaacat ataaatacat gcaaaacctt gtacatagag cttaaataat atcaaaatgc 240  
 aaatatagat tgggtgcact gttaagctga attgcaaatt atggcaacac aactggact 300  
 ggggtatacg ttgctttgat atcaccattt gtttgtttat gtcatgcaga ccacaatagt 360  
 caatcntttg nttttccttt ttgnacaaaa ataccagtg 399

<210> 726  
 <211> 503  
 <212> DNA  
 <213> Homo sapiens

<400> 726  
 agcttggttca aatatcttat ttaatattag agtcacaaat tacacatttt gttatattta 60  
 aatcccttgg gccttgtaat caaagaagca catgcagatt gacttttaca tgctgtgtag 120  
 tattccttag gtgcaataga tagaaagtga ggatatttgt ccacctactc agattttcaa 180  
 gatcagattc caccggttta gtagttttca gtggaggagc cagtggaatt tgggctcatt 240  
 tggaaatctt ggcaatcaaa agcattctga gaggcagtg tgcttcaatc caagtattgg 300  
 gggagtttac catcttctcc cagagagcaa ctctctctga agtagagtcc atccagtcca 360  
 cttcagtcctc ataactttta cctgttccaa agccaatacg aagacctccc aaaaattgggt 420

tggtgtaatt tgtaatgggc ccagacagta agccctacac aggcttccat cagatcttca	480
ggcctgaacc catcatacac cat	503

<210> 727  
 <211> 432  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 727		
ccattaaaaa aactttat	tcatttttta	caaagaatat
cccatcttgg	gtcaaaaata	60
tanctgggta agtacnaa	atagtcctta	ccatacanaa
agatncataa	nacaaaaaca	120
tgaaaccaac catcttcagc	ccacactttc	tggtgtgaat
anctctcaga	aaaggggtgga	180
gctcagtgct ctgncacagg	acagtgaaca	aagtgtctatg
gctgagagtg	actgaccaag	240
tgctggcagc tgcacgtgag	gggccaatat	ccctatctcc
taacacaggg	caggaagggg	300
gttcaaaggg cttntataga	agacctgccc	tctagtttcc
tcatnggcag	tatttcggag	360
gttctgatnc acagggttgg	gcattcttgg	tcaagagtgc
ctccttgggg	tttgaagtna	420
cagtggggca ag		432

<210> 728  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 728		
tgcattcaa cttaaagtnt	taacatngac	aatgtcttgg
aacaataagc	aaacaatgct	60
taaatttttc attcaaattc	actttccaca	tgtcaaaaaga
cctcaaggta	gaaaaaaata	120
aaataaaaaat ataaatatct	gagaatccat	cttaataaat
aaattaaaaa	cncnnnccaa	180
cgtttttcacn nccccntggt	aatgtcagaa	cattcagacc
acctcaacaa	tgcattgatca	240
gtaacattac aatgaacatt	gatgttgaag	aaaaactaca
gtacatggat	atagctatct	300
atttctatct accagaaaat	aaagtcgtat	cttttcttag
tataatattg	gtcattttcta	360
atcagaacac actat		375

<210> 729  
 <211> 425  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 729  
 aaaaaaaggc cctcaaatat atacagacaa aaaattactg tgaagatttt ttcgggaaaa 60  
 gctaccaaat tcagtgttgt gagaaaaact ggtaaccatg cagaaatttt aacatctatg 120  
 aatTTTTTTT ccaaaatata cacatatTTT tttaaaaaag gaattctgtg tcaagtataa 180  
 ctcaaaataa atacaaattc acaagtagaa ctattgaata cttcatatgg ggtaaacacc 240  
 attatctccc aactagatcg ctagatctac caactgcaag cgattgtccc ttttgaacgt 300  
 actaaaacca cacactttcc catccctgg gctcctggcc ctctgagcac ttaatttctca 360  
 atgggcacct ggctgcatg gcaggggggt ttgctgacca caagagagtt cccagttca 420  
 gccag 425

<210> 730  
 <211> 454  
 <212> DNA  
 <213> Homo sapiens

<400> 730  
 gttgttggaa aaacatttat tgcaattcag tgtcaaaagt tttttacaaa aatatgccac 60  
 cgtctggtag aaacaactat aaaaaatcag ttcacatgc aagaaaagtg tgcaataat 120  
 ttatacagaa ggactcagct cacacaatat taaataaaca tctctgcatg taattggtct 180  
 aactttatgc ttttagttaca atgttcaacc ccctctaata cttttcattt aaaaaagtac 240  
 attaaagctt ctaagcttag gacacaggct gtaatatagc cccactttag ccatgggtgat 300  
 tggcacttgg tagaataaag attggcacca aggattccca agtatagaat acagcttgga 360  
 gccttctgct taacagactt gtgcttcgtt aattaaacaa acacatctat actcaaagac 420  
 agaaaaagtc atgtttaaac tccagaaata atgt 454

<210> 731  
 <211> 427  
 <212> DNA  
 <213> Homo sapiens

<400> 731  
 aaaaaataaga tttaatgctt tattgtctctt gatggcaaatt caaaatatgc tttagaaata 60  
 aagttaattt actggaaaat aggagttttt gcaccaaac ataaaattgc atttcattac 120  
 atcaagagaa cccctcatt gtctacaatc atgcccgtt cctttccct cagcgcctgg 180  
 gacacgtgac cgagatcata cctaaattc ctgatccttt tgcagttgcc acatactgtg 240  
 gtttttagtac atcataaaaa agtgcttgtc ctgtggcctc agctgggagg cctggcgctg 300  
 gggctaagg gccaaggca ccatccaaag gctgggagga aagaacccaa acccaggccc 360  
 tctctctgcc ctccagcctt tgacaggcaa ctcatTTggg catgatctgt tttggtgtgt 420  
 ttaaaac 427

<210> 732  
 <211> 399  
 <212> DNA  
 <213> Homo sapiens

<400> 732  
 cagaggatct ttacatgttt attaaatctg aatttgaaga tacattccaa tcttgcataa 60  
 agtgttttgtt gggcttttac attacgtaat taaaaaacia aattttttta ccaattttat 120  
 gtgccatgtc acgtttaatg ctatcttgtg tgaccagatc ccaccagtaa tgacaaaact 180  
 gtcttaaacc tcattttttt tttttttttg agacaagagt ttcactcttg ttgccccaac 240

gagagcaatg	gcaccatctc	gactcactgc	aacctctgcc	tcccaggttc	aagcaattct	300
cctgcctcag	cctcccaagt	agctcgggat	tacacgcatg	cgccaccatg	cctggctact	360
tttgtatttt	taatagagac	agggtttctt	catgttgggt			399

<210> 733  
 <211> 488  
 <212> DNA  
 <213> Homo sapiens

<400> 733	
ttcatatttt	aaaataatct
gatatacatt	atattttattt
aaaattataa	ttcctgaatt
aatcaaacad	cattgatgtt
aatctagaaa	tttcaggaga
ctagcatata	taatacagaaa
atgtcaacat	gtaaaacaga
atcttaatca	tacgaatatc
tggttttc	

<210> 734  
 <211> 426  
 <212> DNA  
 <213> Homo sapiens

<400> 734	
gaggtttgga	aatgtgcttt
ctagcacacc	tgtgtgaggc
cagcacttcc	tctccattta
gtggcagcca	gaaagtgaag
cactctgcaa	ctgaaggcag
agaggcattt	gggggactct
ctccagttca	ctaccgcttg
cagaaa	

<210> 735  
 <211> 228  
 <212> DNA  
 <213> Homo sapiens

<400> 735	
tttttttttt	ttttctcttc
attgggtaaa	aattctaaag
aaatggagag	gagactgggt
aaggaattct	acgacatatt
	ttttaaaaaat
	actccaaatg
	aacaagac

<210> 736  
 <211> 426  
 <212> DNA  
 <213> Homo sapiens



<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 736  
 cggtagagac aggggtcttgc tatgttgccc aggctagtct caaactcctg ggctcaagca 60  
 gttcttgcct cagcctccca aattgctggg attacaggca tgagccacca tgactggcct 120  
 aaaacaaaat aaattcttaa tggcatttcg tggaatgtgt ttaagagcca aaactgtgaa 180  
 aatgtaagct ttatctttct tttttcctag attattttaa gaggattgta gccacacttc 240  
 agatgaatgt ttacaagcca aataatgatt taagagtgtg ctcaataaaa aggccatagg 300  
 ttttaagaatt aaatggaata atataaatta ctaggtcaac aagaatattt catgtatagt 360  
 acactgtcta aggaatgcag agaaatttta caagaaacc cagactaaa tacttcntta 420  
 agaaca 426

<210> 737  
 <211> 447  
 <212> DNA  
 <213> Homo sapiens

<400> 737  
 atcaatcata tttctgtcat ctccaaccta agatattttt tagattgtct ccctattctt 60  
 tgattcaaaa gcccaattaca gaaactatga acttgacctt attctggttt ttgacaatta 120  
 tgagacagaa ataaagaaat cgcaagcagt tcttttcttt gcacactgac ctttttttaa 180  
 ttacatcatc ctctatgatg atgggtgcttt cacaactgca gctctcctgt atgtcaaaat 240  
 cattctgggt tccaggtaaa tggacaaaagg agatttgcct tcagtgtcta gaaggcaatt 300  
 tacttttcag ctgccttaat tacctatagt ttaaagaaag gaatgccaca tataggggtcc 360  
 tttaaacatc taaaatgggg aggttggcct ccaaggggca ccattcccaa acatttgatt 420  
 tcaagtccca gaagcctttc atatatg 447

<210> 738  
 <211> 288  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 738  
 gcaacaaaag aaactattta tttggaatat gcattaccag tacaaattag gagactgtaa 60  
 aacctacacc gtgttagtat cattagagaa cacaaaagtt cagttggaat caaaaggac 120  
 agaagcctgt gctctcacag aagcagaaaa gcttaaactt tcaaaaccaa aacagagcag 180  
 agtttgcagg tttatattct gaataataag aaatggggng gggtaggggg agaataaaac 240  
 caacaaccaa aggaaagcat ttcaaattga aaatgccaaa ggaaagaa 288

<210> 739  
 <211> 440  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> n=a,t,g or c

<400> 739

aaattaaatt	ttttattcat	ttttttgcat	caaaatagtg	cttaaaattg	gaattttatac	60
tcacaagaca	tagctaacat	ccaaagtaga	caattaaaaa	atattatttg	aaaattatgt	120
acttagtact	gaagacttcc	taaatttgca	cattagctag	attgccatta	gcaccattag	180
agagttgatc	tttggttaat	gattattcag	gaaaatttca	accattacaa	tcagtgaagta	240
taattttata	tttcagcaac	gatagtgggt	catgttcagc	aacagcttca	cttacaaatt	300
aaagtaagct	cacttcagtg	ttgcactctg	atgctgtttt	tttaccctt	ctcttgcaaa	360
taaccagtga	aataaaaatt	gcctctaact	ggcaatcgna	acaagggagg	aattatggct	420
agncaactag	ttgctaata					440

<210> 740

<211> 307

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> n=a,t,g or c

<400> 740

tgtattttaa	aaaatttatt	tgtgatctgt	acatgtgata	aagtggggta	gacctttaaa	60
gccaacaaaa	caaaaatcca	aagtaaaaat	gtataaatac	aatatatatt	ttcttacaaa	120
aatgggagat	ttacaaaata	tacatactgt	acttatcnct	attttacaaa	tttcacatgc	180
acttaaaaga	tacagcacaa	aagatgccaa	aacctgtgtt	ggagttttaa	aaatctgaca	240
gatgagatag	ttttgaaggt	tgaagaaaca	caagatcgat	tttaatggaa	aaagcagttc	300
cactcaa						307

<210> 741

<211> 453

<212> DNA

<213> Homo sapiens

<400> 741

ttcaatataa	atgtgtaatt	ttaatattta	attttaaata	aaaccaaggc	tggattgggt	60
tgggaaagaa	cgtttgattt	gcagaagaat	ataggaattt	ttttaatcac	gacattacaa	120
gtcattttgt	aaaacagcct	tcctcctgcc	accggtccct	atacaacctg	cttaggaaat	180
atggaggtga	atcatcccc	ttacctcttc	cctaccaggg	cttggttctc	cccaaaatcc	240
aaaggagaaa	taaatgtctt	ccgttgcttc	ttcccathtt	tacagtcagc	ttctaacccc	300
ttgcaaagcc	ctgaatcaga	gccaagcacc	tcagaaaatg	agggtcctct	ggttctctta	360
ttgaagttgg	gcacatgtgg	tcagagaagc	ccaaggaag	gccacagggg	ctgacacctt	420
tacttttggg	atttgtgcag	ccagtttgtc	agg			453

<210> 742

<211> 248  
 <212> DNA  
 <213> Homo sapiens

<400> 742  
 atattttcat ttttcatcct aatttactga agccattttc tttgggttagc tttagaatta 60  
 tcttttcttta tactaaccag cttagcatgt aataattctt gcccattgtga ctacaaaaca 120  
 ttagatatct ccacaaataa aaacgagatt caccaacaca aatattcctt ctctttaagt 180  
 tcacaaaatg caagaagaaa agaaaaatga tgtaggttg tcagtaagga aagcatttct 240  
 agatgaga 248

<210> 743  
 <211> 558  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 743  
 tcttgagtca atatgattta ttgttttctc ttctgccatt aacattctag ctactgggta 60  
 agttgttctc catccttggg atctcatggt tgggaggaga ggtctgggtt ccctcccaca 120  
 aaactctcaa cgatagaata gaagcacagc tgccctcagtt atctcacggc tgctgctgta 180  
 accaactatga gttccatctc cactccaatc aaaaccagaa aaatctccac actgctgggg 240  
 actggcctct ggaaaagtat cctcctccac caatgcagtg atgctcagtg ttacatccgg 300  
 tgaccctcat tcccagcaca caaggcgttg ggctgctctc tcgttattaa ataccctgga 360  
 actgaacaaa tcccgcagtg aattcccgtt gggccataag gggtgagtaa taagatgctg 420  
 tttttctggg cgtcgccaaa aatnatagac cacagggatc accggggccgn tggtcagtcc 480  
 aanactttcc ttctccatat ttacnnggaa aatttcgggt anatgcccaa nagattatgt 540  
 nccagtgtct gggggaaa 558

<210> 744  
 <211> 409  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 744  
 agtctagatg aattttattgc cattcacata tttcatagaa aaaaagatgt agcaaacggg 60  
 tcagggttgt acaaaaaaaaa aaaaaaatcc aggtttatat aggttgctct atttacctct 120  
 gagagcacag ctgtcctggc atcaggcaca gcagctgcac ttgtctgacg tccctttgca 180  
 gatgcagccc tgggcacact tggcacagcc cacaggnang caggagcag cagctcttct 240  
 tgcaggaggt gcatttgcac tctttgcatt tgcaggagcc ggcacaggca caggagccaa 300  
 caggcgangc aggagcagtt ggggtccatt tcgaggcaag gagaagcagg agttcccgat 360  
 tcaagaggaa aacacgcagc gggacagatt ctctgtccga attcttggc 409

<210> 745  
 <211> 298  
 <212> DNA  
 <213> Homo sapiens

<400> 745  
 atccagtgtgta aaaaggaagt tggaatggga gttggcgggc agtgaacgag tgtggggaag 60  
 gattggtgct ggggcaacag gaaggggcct tgggcgtttg gctgcactaa ctttggtagc 120  
 tcagtgtgca tctagagtgg gacttgggag ggagctaagc ttgggctggg ctgcttgggg 180  
 cttggcatag ggtggaaagg gctacctggg gctctgacca cactgtagta tgtgtggagg 240  
 ggccctcccgct ctcccacaac ttctgctata acaataaact gtagaggatc ttaaagag 298

<210> 746  
 <211> 436  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 746  
 gaagtatact tccaagcaaa atttattaga tgtctattca agaaaaacac aatgaccttt 60  
 gcttgaaga attcaaagtc aattacctgg aagccaggta tgaatagttt tttcttttaa 120  
 aatcagatac agagagtaga aacagtaatt tttcttaaat atgacaggca acagatattg 180  
 aagtcttttc tcataaatgg catcaaagag aattattcat ttatcagcaa agngcatgca 240  
 gttgacttaa tttcaaacct gaagccttta aaatatgaag ctgggttatga acttgacaga 300  
 aatcaaggta ggctactcaa cgatgtttct ttaccttctt cctaattggaa attcccttgt 360  
 catcagtcag tagatatgta catttcattt gggtctctac ggatcttttt aaccttcata 420  
 ggatttttgg cataaa 436

<210> 747  
 <211> 474  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 747  
 gaatgtatat atttattata atctccaaaa taatttcact tgggtacaact gcttcttaaa 60  
 accatatcaa tatcaggctc agaatttaaat tacaaccaag caattcaca aaacactgag 120  
 caacaaaaca tgcttaatat ttctttgaga aagacccttc aaatatgtgt acagcatcac 180  
 tgggagttac acaaaaactgt tacaagggtga ccattaagtg cccaattct gcacttctga 240  
 catacatgaa tggctaattgt aaccacgttt gggaatcttt ttacatctca aaataaagct 300  
 ttctgatgca acttgccatc cttttaaaatt ttaaaggata ttcttgggta attccttagg 360  
 aaagtaaaac tacacacact ttcagagaaa ccaataagct gcttagattt ttaaaatttt 420  
 ttatattata cacttcaatt atggggtatt taattaaagn cctccaaaaa aanc 474

<210> 748  
 <211> 147  
 <212> DNA  
 <213> Homo sapiens

<400> 748  
 cagtgtccat aaataaagtt ttattggaat acagccacgt tcgttcatgt atgtgttgtc 60  
 tatggctgct ttgcactac aatggcagaa ttgggtggtt gcaacatatt ttatggcccc 120  
 cagccctaaa atatttactg ttggcc 147

<210> 749  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<400> 749  
 tttttttttt gtttcaacca caagtattta ttgatggatc gaagatacaa ttttaatgga 60  
 acaataaggc acaaccgtgg attaaaacac tttgctatac agccaaaagg ggggaaaatc 120  
 tataacctta ggaactttat gccaatcaag aagcctctaa agtacctctc taatagatca 180  
 gtatcagaca ttcttccctt ttacataatt cctatattac atcacttaat cataaaatct 240  
 gactgatact tcataaagaa ttccctcatc atttatattt gagccatcca gcctggctac 300  
 tccctgttc tccacccttt tccatcactt tgcagtggta ttttttagca atcttcaata 360  
 gttttccaaa gcaaggaaac aagcaagcaa gcaatgagtc agaaagtcaa ccaagggcag 420  
 atgtgtgggc taaatacact c 441

<210> 750  
 <211> 447  
 <212> DNA  
 <213> Homo sapiens

<400> 750  
 ttttttttta taaagaaatt ttattgcata attcttgtat acaataaaca taggaaaagg 60  
 gtttttaatg aaaattcatg tcatttttca aaagtgttga actgtctgga gaaaaattat 120  
 tacaaagcta tctaaggcaa aaataatatt taaccatcta aacaaaagat aatccccctt 180  
 accatttgtt ttgtatttaa agcaagacat tttaaacaca agtaatacgg agaagttttc 240  
 aaattgctac gtcatttgca ttaagaattt aaatgcatct aagaagtga gagtttaaac 300  
 acatgggaat gttctctagt aacagatatt gctgctttct tcagatccat tctgcttgaa 360  
 tgtaaggcta tactttttgc acaccaacag aattctggca tcttctaata gtacagtaag 420  
 agctggagtg cagagaggga aagtccc 447

<210> 751  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c



<210> 754  
 <211> 348  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 754  
 nctttttaaat aatttcagaa taaagtctca tttcagtgc gtgggctggg tgggtggggga 60  
 gaggggttgaa agccccactt ggggtccccga ggggtccattg agccctctca ggccagctcc 120  
 aggaatcctg ggcctgggtc acagagcaga gttgcttgca gggtcctagt ggccatcggg 180  
 ctggggcagg acatcatctc tcagaggggc agaggctcag agctgggtgc agctcagcag 240  
 gtcacggccc tccaccagct ctgggttctc ccgcatcatg tgggtgggct gctttttccc 300  
 ccaccagggg cctnagctcc agcagctngg tggggtnagc ttagcaac 348

<210> 755  
 <211> 424  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 755  
 tttttttttt actatcttca aatttgtttt atttcttggt cataattaac agtgcaaagn 60  
 aattacagcc tttaccactt atgcagagat aacgaatcaa atttcaaagc ataataggta 120  
 tggtactacc tttttacaaa accatgaaaa gcaaaggatt tatgcctaca ctaggtgaag 180  
 aagccacact gttatatgtt atgctaggat gtgtatgcca ggggatcaag tgtgctacaa 240  
 ggccaagagc aaagacctgc aattactcca aatgatagcc aagtccttct tcgggcatct 300  
 ttatggcatt tacctaaatt atgcccagag ctctgtggtg tgtgtgtgtg tgcacgggtg 360  
 ncatatatgg ttttaaggggt tcaaaaagga tttggggggc cagttggggg ttcatttgct 420  
 aggg 424

<210> 756  
 <211> 301  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 756  
 tttttttttt taatttttatt aagtacacac ttttaataacg actataaagg aaatatttta 60  
 cagccataga gatcaataac tttccatgcg gaaataaaaa attcattgct caataacatt 120  
 attgaggcaa gtgaagaaag attactctct tgtcaatctg aaatgttaat tttttcagtg 180

caaaaccagt tataaaatat ttaaactcaa tatTTTaaaa taaaangtgg nccaattca 240  
gcaatgttca agttctaaat ttcataaaac aaatcattac atacatttta tagtaaaata 300  
c 301

<210> 757  
<211> 266  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 757  
TTTTTTTTTT TTTTTTTTTT tcttnaccaa gactgttttt attTaaaata tacttggaat 60  
aggTgaatat taatctaagc attttcctat cactttttaa attttatact atgtactttg 120  
tattaaatag tacagtagtt tcagtaagac atgtaaaatt tgccatttta accaccttaa 180  
ngtgtacaat tcagngacat ttattatatt tacaatgttg tgcaaccatc accactaatt 240  
catcaaattt taataatctt ttaatt 266

<210> 758  
<211> 345  
<212> DNA  
<213> Homo sapiens

<400> 758  
TTTTTTTTTcc taaggctcta cttcaaagtg ctggctattc aaccaactaa tctgaatagg 60  
tatttggtatg gtgaggtaaa agctatttta aggtctgttc tcatctcact ttaataaggT 120  
gaaaaaaatt gccatatgta ctaaaaatag ttcaactgttc tgaaactcaa tgctgtttg 180  
ccaaaacaat attaatgatg catattctat gcattttttc cccaaatatg ggcattctgcc 240  
gtgcacaaaa ttcaggaatg ggaaaccacg agatatttga aataacacca tcctctttac 300  
atgggttaaa aaagtcaaTt ggaatccagt tacttttaTt taaaa 345

<210> 759  
<211> 382  
<212> DNA  
<213> Homo sapiens

<400> 759  
TTTTTTTTTaa agaaagtTTa ctatgtgtaa tgcaaggcac ttatgtctct gcttaaagct 60  
acaagggaaa aaatgacaag cccagttttt ttcaagggaa atattttttc tctgtgaaag 120  
gtcagtagta aaagagctag tttaaagtca tggagttttt gccaaaaacc atgtctcgag 180  
gttttatgca tttctaattg ctttgcccat aggagagata cccagagtgg acaaacagag 240  
gctaaggaaa aaaatgctgt tcatttagat cagaataacc tcgctccaat ctgggaaacc 300  
actcaaTga cacatacaag tctgtatgaa aaggcaaaac aaactcctgg gtgatatgca 360  
gttattccat tcaacatgtt ta 382

<210> 760  
<211> 356



<212> DNA  
 <213> Homo sapiens

<400> 760  
 gatggagaaa attttatttta tgtaattttc atctgtagag atgcttctgt cctcatcttt 60  
 atatttgtct ccctcttctc attgaactgc aaaattcctg aaggatgaga cctgggatgt 120  
 ttaatgcaaa ccgtacattc tcagcagagc acaagtatca aaggacatt ggatatattt 180  
 taataatgat ctaacacaag caaaaataac cactgaaaat ataaaactca acaagagaca 240  
 taagaaaaaa gcagacagaa aacaaaaaaa attcttattt taggaatgat gctatatgta 300  
 acttgtaaaa tatttaagtt ttatacatg aggttatatt gggtttcctt atttaa 356

<210> 761  
 <211> 444  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 761  
 aaagattccc nnnnttttta tttctggaac tgtacaccag gtattaaagt acaacaaata 60  
 caaaaataatg ctcaaaaaaa tcagtgttta tgtacaaata ttaaaatcaa tgcaatagca 120  
 acttcctctt gaacatctga tactgaaact tgttctgatt gtcactaatt tatctcatal 180  
 tcacagggtta cttattttcaa actgggacaa ttggaatcac tggatcatcta agaggaatat 240  
 taatatctac catattttaac aataaaaacta atagtttctt ccatttagtg aaaaaattag 300  
 ggaacttttt aaaaaacata ggtaacgtca atattttatt aaattatttc aatttccttt 360  
 tgtgggccat gtgctttgga aactcggggc aaacattctc cntgggnggt cgggttnttt 420  
 gttaggttac ttcnagttgg attt 444

<210> 762  
 <211> 368  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 762  
 caagggctgg aattnaaatt attgtcacag agcacaggag agaccgcttg ggtctcaatg 60  
 aaggtttgct tttcctcttc tccaggggaa gctactgcaa gaagggccac cagccaggct 120  
 aggtcaaatt ggggttggggc cacaacatga tagttaaacc cataaacaca gacttgattc 180  
 gntcccagct tcacgacttc ttagctgtgt gaccttaggt aagtctgtta acctctctca 240  
 gccttggttt tgtggagtgg agtgaagagc agggcctgct tcaactgggt nttatcagga 300  
 tggaggggga caaggcctnt gaaagtnttt agcacagcgc ctgggcagat cgtgaccagt 360  
 cacggagt 368

<210> 763

<211> 261  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 763  
 agtannatac cacagagaat agttgggatg aaaggcatcc agccccctgct tcctttaaga 60  
 tggcctctag gcagggtgggt gttctgtaag cctggcaaaa attctggagc caatctctgg 120  
 caaggctgag tgccaggcgg ggcctagga cccagggtcg gtgcttaatg cctccccccc 180  
 attggaaatt actgacctcc aaatatatat atatatatgt tttttaattt aaaggggaag 240  
 tacactgcac accttcctcc a 261

<210> 764  
 <211> 691  
 <212> DNA  
 <213> Homo sapiens

<400> 764  
 gacccctcac actcacctag ccaccatgga catcgccatc caccaccctt ggatccgccc 60  
 ccccttcttt cctttccact ccccagccg cctctttgac cagttcttcg gagagcacct 120  
 gttggagtct gatcttttcc cgacgtctac ttccctgagt ccttctacc ttcgccacc 180  
 ctcttcctg cgggcaccca gctggtttga cactggactc tcagagatgc gcctggagaa 240  
 ggacaggttc tctgtcaacc tggatgtgaa gcacttctcc ccagaggaac tcaaagttaa 300  
 ggtgttggga gatgtgattg aggtgcatgg aaaacatgaa gagcgccagg atgaacatgg 360  
 tttcatctcc agggagttcc acaggaaata cgggatccca gctgatgtag accctctcac 420  
 cattaacttca tccctgtcat ctgatgggt cctcactgtg aatggaccaa ggaaacaggt 480  
 ctctggccct gagcgcacca ttcccatcac cgtgaagag aagcctgctg tcaccgcagc 540  
 cccaagaaa tagatgccct ttcttgaatt gcatttttta aaacaagaaa gtttccccac 600  
 cagtgaatga aagtcttggt actagtgtg aagcttatta atgctaaggg caggcccaa 660  
 ttatcaagct aataaaatat cattcagcaa c 691

<210> 765  
 <211> 2704  
 <212> DNA  
 <213> Homo sapiens

<400> 765  
 gcttagtgta accagcggcg tatatTTTTT aggcgccttt tcgaaaacct agtagttaat 60  
 attcatttgt ttaaacttta tttatTTTTT aagctcaaac tgcttaagaa taccttaatt 120  
 ccttaaagtg aaataatTTT ttgcaaaggg gtttcctcga tttggagctt ttttttctt 180  
 ccaccgtcat ttctaactct taaaaccaac tcagttccat catggtgatg ttcaagaaga 240  
 tcaagtcttt tgagggtggtc tttaacgacc ctgaaaaggt gtacggcagt ggcgagaggg 300  
 tggctggccg ggtgatagtg gaggtgtgtg aagttactcg tgtcaaagcc gttaggatcc 360  
 tggcttgccg agtggctaaa gtgctttgga tgcagggatc ccagcagtgc aaacagactt 420  
 cggagtacct gcgctatgaa gacacgcttc ttctggaaga ccagccaaca ggtgagaatg 480  
 agatggtgat catgagacct ggaaacaaat atgagtacaa gttcggcttt gagcttcctc 540  
 aggggcctct gggaacatcc ttcaaaggaa aatatgggtg tgtagactac tgggtgaagg 600  
 cttttcttga ccgcccagc cagccaactc aagagacaaa gaaaaacttt gaagtagtgg 660

atctggtgga	tgtcaatacc	cctgatttaa	tggcacctgt	gtctgctaaa	aaagaaaaga	720
aagtttcctg	catgttcatt	cctgatgggc	gggtgtctgt	ctctgctcga	attgacagaa	780
aaggattctg	tgaaggatgat	gagatttcca	tccatgctga	ctttgagaat	acatgttccc	840
gaattgtggt	ccccaagct	gccattgtgg	cccgccacac	ttaccttgcc	aatggccaga	900
ccaagggtgct	gactcagaag	ttgtcatcag	tcagaggcaa	tcataattatc	tcagggacat	960
gcgcattcatg	gcgtggcaag	agccttcggg	ttcagaagat	caggccttct	atcctgggct	1020
gcaacatcct	tcgagttgaa	tattccttac	tgatctatgt	tagcgttcct	ggatccaaga	1080
aggatcatcct	tgacctgccc	ctggtaattg	gcagcagatc	aggtctaagc	agcagaacat	1140
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ccccagaagc	tcctccctgc	tatatggatg	tcattcctga	agatcaccga	ttggagagcc	1260
caacaactcc	tctgctagat	gacatggatg	gctctcaaga	cagccctatc	tttatgtatg	1320
cccctgagtt	caagttcatg	ccaccaccga	cttatactga	ggtggatccc	tgcattcctca	1380
acaacaatgt	gcagtgaagc	tgtggaagaa	aagaagcagc	tttacctact	tgtttctttt	1440
tgtctctctt	cctggacact	cactttttca	gagactcaac	agtctcgtca	atggagtgtg	1500
gggtccacctt	agcctctgac	ttcctaattg	aggaggtggg	cagcaggcaa	tctcctgggc	1560
cttaaaggat	gcggactcat	cctcagccag	cgcccatgtt	gtgatacagg	gggtttgtt	1620
ggatgggttt	aaaaataact	agaaaaactc	aggcccatcc	atcttctcag	atctccttga	1680
aaattgaggc	cttttcgata	gtttcgggtc	aggtaaaaaat	ggcctcctgg	cgtaagcttt	1740
tcaagggtttt	ttggaggctt	tttgtaaatt	gtgataggaa	ctttggacct	tgaacttacg	1800
tatcatgttg	agaagagcca	atttaacaaa	ctaggaagat	gaaaaggga	attgtggcca	1860
aaactttggg	aaaaggaggt	tcttaaaatc	agtgtttccc	ctttgtgcac	ttgtagaaaa	1920
aaaagaaaaa	ccttctagag	ctgatttgat	ggacaatgga	gagagctttc	cctgtgatta	1980
taaaaaagga	agctagctgc	tctacggtca	tctttgctta	gagtatactt	taacctggct	2040
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actgtgttct	cctactgcaa	atattttcat	atgggaggat	ggttttctct	tcattgtaagt	2160
ccttggaatt	gattctaagg	tgatgttctt	agcactttta	ttcctgtcaa	atcttttgtt	2220
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ccaaaagaca	aaaaaaattt	tactactttt	gagattgccc	caatgtacag	aattatataa	2340
ttctaacgct	taaatcatgt	gaaagggttg	ctgctgtcag	ccttgccac	tgtgacttca	2400
aacccaagga	ggaactcttg	atcaagatgc	ccaaccctgt	gatcagaacc	tccaaatact	2460
gccatgagaa	actagagggc	agggtgtcat	aaaagccctt	tgaacccctt	tcctgccctg	2520
tgtagtagaga	tagggatatt	ggccctcac	tgcagctgcc	agcacttggt	cagtcactct	2580
cagccatagc	actttgttca	ctgtcctgtg	tcagagcact	gagctccacc	cttttctgag	2640
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acct						2704

<210> 766  
 <211> 408  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400>	766					
caaaaaaaaaat	aagggtgtctt	tattgtnttg	gatgcaaata	tagtttaaaa	aatgcattgt	60
agtgttgant	acagctgggtg	gaaacngct	ttttgacagc	ngngcaatca	gaggggtgta	120
ctcagggtga	cgtggaccgg	agggggcctc	tggcaaacca	gactcttctc	tggtttgtnc	180
ttcagaccac	gaggtggaac	catctcttca	aaggagccct	gccaccatca	ccaaagctca	240
caccagaaaa	aaccgccatt	tacacaacaa	actgaacctg	aaaaaggaac	ggaacatggt	300
gcttccgccc	tgaacaaaat	cagcaagtga	atccggtttc	ctttcccggt	cttttcgnaa	360

aagattcggc tagaggaaaa ggggggcact ttggggcagc ccntaggg

408

<210> 767  
<211> 281  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 767  
agtgtataaa ttttattaat aaaacgaacc catagggttc aaacaagcat acaaagtaat 60  
tcccttccct gtgggttaaa ttgttacatt tttataata aaactaagan agctttcata 120  
gttaacttac caaaaacata acgcttgctt attgtttctt actgtgcaaa acaaaaccaa 180  
agttttgccc acagangnt tttgtgcacc aaancatgca catttncaat ttcaaaattt 240  
ctgcatcaaa atgnaaattc caaggccacg tttttgtttt t 281

<210> 768  
<211> 339  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 768  
tttaaaaaata tgatcattct ttattgttaa ttggtaatat tttctcatac attaggtaaa 60  
tgtcaagctt tgggtctctg gagtataact ttttgaaca ttagccatta tttggaaca 120  
gaatttaagg atgatggaat gatggaagg attacatntt tctaaaactt aattaagctc 180  
taggtcagat aacaatggag taaagtgata cctgcgtttt tttccccagt gtaatcttaa 240  
tttactattg tattttncac ttaaaatttt gtagggaaaa aagttttcaa gggaacacta 300  
agattaaatt gactagggtc aaatatgctt ccccaatga 339

<210> 769  
<211> 370  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 769  
aagagtttaa cacaatttat tttatgctta aataatcgac taggtcatcc agtgtatggt 60  
ttttcataca tatgtcatta gagctatgng tcaatgaatg ctgattttat gngaataata 120  
tcaacaaatt aaagantttc accaaaaccc aaataaaaat gccctttaaa acacagcagc 180

cttattaacc	taatatgaca	ctgctagaat	ggttacaaat	gattggctta	ctgaaagggg	240
tctacatctt	ntagccagta	cacaatacag	taataatttt	ncagngggct	gccattctac	300
tagctaaggg	tttctgntca	gnccntttta	aatacccccg	actggggccn	tttatgngca	360
ccatncacct						370

<210> 770  
 <211> 367  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400>	770	
ccatgttaag	aatattttat	ttgttttttg agattacata gtcattattg ctgatctaatt 60
acaatcactt	agacataaag	atttccaaga acttctcaga aatgggtgatc tttagaagtg 120
ttattccttt	cagtaagatg	acagancatg atgattacgt atatagatat atagatatat 180
atatatatat	gtatatatag	ngtttagaac ctgtccacat ataatttgct ggtgttgctt 240
attttccttc	cgtaattttc	cnattattgaa aaagcttaat gcaacaatgc attttgattc 300
ctttttaaaa	accacgggca	aagttaattt tgagaaaacc acaggngcag caatatcaga 360
tctgttt		

<210> 771  
 <211> 163  
 <212> DNA  
 <213> Homo sapiens

<400>	771	
tttttttttt	attttttttt	actgttgacc atgtagtttt atttcatcag tactcccatt 60
tttaatggat	tcaggcagca	ccccagagta caggactgag ttccctagggg tggcctgacc 120
cagcagctgt	cttcttttcc	aggaggaaaa agctttttat taa 163

<210> 772  
 <211> 413  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400>	772	
tataatagct	accattttatt	gagcacctac tttgtgccag gcantttaca tacatttgctg 60
cttataattc	ttacaacaac	ctcgggaggt aggcatatt atcaccattt gacatatgag 120
aaaacagagg	cttagcaagg	ttaagcggct tgttcaaggt cacagagctg gtagataagt 180
gatagaatca	gcacttgagt	tgtgcatctg tgagggcccc aaagctttca tcaggcattt 240
tccacactga	gaaaataaag	aaggtagagg agtgggtgta ttagtctgtt ttcacactgc 300
tgataaagac	ataccccag	actggggtaa tttatggaag ganaaaggag ggttttaattg 360

gaactcacag ttccctgtgg gctggggagg gcctcaccaa tcatgggtgg gaa

413

<210> 773  
<211> 409  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 773  
cagcttagct taagatattt attcaatgct ctcacatttg gcctctgtga cccagaaaag 60  
cggtagagca gggtaggagc acatgatgca tccttcagcc actgcaacct ccagagggac 120  
caggtcttct tcaggaaatc ttcgttcctg gtggatgact gatcagccat aacatgggga 180  
gaagtcctgc gctctccatt tctccatcgc tggtctctcc tgggagtcac gccaatcatt 240  
ggctctgggcc ccgtcaaagt ttccacaggg cccacacagt ttcccagcat gggtcattgc 300  
tgacaatcac agccaccttc ccattggggt ccaagccacn acctggggac cctgccttc 360  
tggcggggant tagcagggga gccattcagg gtgttacgga cttcacggn 409

<210> 774  
<211> 281  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 774  
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ctcagacaga agcatgtgca gactgctctc agcaacgcca cctccttcac tccttgcca 180  
ttgggcccc tctctctacc tgtccctgt cactccactt cctgccccag gnetctctt 240  
agggattttc cagggctttg ggggagctgc tgctttcagt t 281

<210> 775  
<211> 298  
<212> DNA  
<213> Homo sapiens

<400> 775  
taaagtttat ttcattttta ataacaatta gaggacaaaa tggtttaaaat ttgcagttta 60  
aaacatgcac attcacaaaa ggccaatgac acataacact gcatagaaat aatattactc 120  
aatttttaata actataaaac acagtgcac aaacatcaag ataaacaaac ctgagaaaac 180  
tactataacc acagattcaa tactctccac tcatgcagct tcacaatttc tacagcagtt 240  
tcagcaggaa tggtttttca gggagctgaa aatactactt tatctttaac gcaaaaact 298

<210> 776  
 <211> 385  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 776  
 cagctcacia gacagtttta ttgaattagt tgcattgcagg anaattctgt tcttccatga 60  
 gcagcagagt cgagtgttag agtgcaggnc cagagcgggg agaggctggn ggagttgggg 120  
 nctggagntg gggctgggta cttggtgacg tgcagantct ctctgggggg ctgcagctca 180  
 tcttgggggg agctggactc agatgcccc gtangtgcaa aagcaacatc cacatctcac 240  
 tcctcccggg gctttttgcg gtattcctgc agcgtttctc cgccacgggc tccataaatt 300  
 tagggttctt cctgggagac ttctacaggg accgtcacag tgatgggac agagtcaaag 360  
 agcttcacga ccacctcagt gacac 385

<210> 777  
 <211> 244  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 777  
 nttttttttt ttttcaagtc aaaactgttt tattgtcngt ttacatattt aatagaaaaa 60  
 ggaatgtagc aaatgctcag ggttgtatga aaaaaaaatc caggtttgtg caggttgctc 120  
 tgtttacatc tgggagcagg gctgtcccca catcaggcac agcagctgca cttctccgac 180  
 gcccctttgc agacgcagcc ctgggacact tggcacagcc atggnagacc aggagcagca 240  
 gctc 244

<210> 778  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 778  
 ggtgaattat tgatttattg cacatcagga gaaacacaag attactgcta taataaatc 60  
 actcttacat gctttagaaa aatcagtaaa aatagaaaac atggtaacan ttaaagtga 120  
 aaanttgggg tcattaaaga atgtctgact gattagcttg cagtttttga gacggctgag 180  
 aactaccatc aatgagatca ctttaaacia acactcttaa tgacttggaa aaagtcccn 240  
 tcccaaagtc aactntaggg nattcaatat tgtgatattt aactggaatt taaggttatg 300

gttttaaacc ctttttattg aggtaggngg gagggatt

338

<210> 779  
<211> 465  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 779	
ttttaaaggn nnnaatgtga ctattttaat tattttggtg gcagggagtt ggttttacat	60
cacccaaaaa aaaaaaaaaa gccctggttt caaattcatt ggtaataaat atgctaactt	120
tctgaatcaa aatggagagc ctctcaagaa aaagagctat gcagtcagca atgacttaaa	180
ttagtcagga tagcaggcat ctgggggttaa ggctgtttcc accattttgg tctcaccacc	240
atatacngt gggaccacag ctgtgtagca cttgtttcng tcataagtnt agcaggtctc	300
tgtagcactg tcttcatcac agatattgct ctggggtagc agtaactatc tgattatccc	360
agctccactt ctgtagggnc acatttttta cagaggtcag acaaatgggt acacaaatct	420
ggttcccaa tgggttnaggt nggggtccaga gntattctcc ccggt	465

<210> 780  
<211> 232  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 780	
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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<211> 2038

<212> DNA

<213> Homo sapiens

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 <213> Homo sapiens

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gggcgggagg	actaaagggg	ccatgctgtg	gccacagcgg	gtccaaatgg	aagtatctgc	420
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<210> 847

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> n=a,t,g or c

<400> 847

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tgccgctgag	atccatctag	gagcagtccc	agcgggtggc	tcagccagtn	gaggaagagg	180
gctttggagg	agggctgcca	agtgtggcca	ggggacccgg	cctcaggtct	gtggaggtgc	240
ttcaacagca	cgatgctcat	tctctgtccg	tagtgtctcc	atatactttc	tcctcttctc	300
caccatccag	gagggtagga	caaaggattt				330

<210> 848

<211> 514

<212> DNA

<213> Homo sapiens

<400> 848  
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ctcttctcta gagggtgggt tttcaaagt catcatcagc attacctgtg aacttgctgg 180  
aaatacaaat cctcaggccc cacctcagac ctactgaatc agaattctctg ggggttggca 240  
cagcattctg atttaccaaa cctccaagt gattttgatg tattctaatt ttgagaccat 300  
ctctaagaaa agaattgcta cctcttgat ggaggtacaa aagactgacc tcttacatca 360  
aggaacttcc tttcccagag ctccatcatg aatcaagctg aagtcagtct tcttctgaga 420  
gcacattctt actcagtttt tttcctctgt cctacgtgtc ttccctcact ccccttctcc 480  
taagagcact ccatcaataa accacttgca cgag 514

<210> 849  
<211> 374  
<212> DNA  
<213> Homo sapiens

<400> 849  
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tgactcccaa cgttcccga atcttctagt ggtctgtgtc aggggtctgg gctggctggg 120  
gttcagtgat gtctactgga ggcagcttcc atgccttctg gggtcctgag tctccatggc 180  
ttgtgggggtc tgggtccccc ctggattagt ggatggccag agtggcatag aactgggct 240  
cagctggaga ggcccttcc tgggatggag gaggtcagtg tgccttctgt ctgaagggtg 300  
aaagctgtgc agctgggcgt aggtcacatc ctggggggct tcagatgcag cagcctcagt 360  
gtccatctgt ctgt 374

<210> 850  
<211> 482  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 850  
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tccaacatgt gccttctgac catacaaatg aaacttccaa cagtactgtg aaaccaccaa 180  
cttcagttgc ctcagactcc agtaatacaa cggtcaccac catgaaacct acagcggcat 240  
ctaatacaac aacaccaggg atggtctcaa caaatatgac ttctaccacc ttaaagtcta 300  
caccacaaac aacaagtgtt tcacagaaca catctcagat atcaacatcc acaatgaccg 360  
taaccacaaa tagttcagtg acatctgctg cttcatcagt aacaatcaca acaactatgc 420  
attctgaagc aaagaaagga tcaaaatttg atactgggag ctttgttggt ggtattgtat 480  
tt 482

<210> 851  
<211> 415  
<212> DNA  
<213> Homo sapiens

<400> 851  
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 agaaaggaac aattaactct ttaattaatt ccttaggata aatacccaga aatttaacag 180  
 ctagggcaga cttctaatac aataccgaaa gtccttccaa aaaccaagtg gttgccaaact 240  
 tatgtccctt agcattataa cattcttgag ccaatagtgt aaaaatacgc tgacaatttt 300  
 ataggcaaac attactcaag gtatcttact ttccacttat tactaaaggt aattaacccc 360  
 taaatagatg ctctcaaca gtgggactac atcctggtaa acctatcata agttg 415

<210> 852  
 <211> 370  
 <212> DNA  
 <213> Homo sapiens

<400> 852  
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 tccgtggtga tgaagagttg gattctctta tcaaggctac catagctggg ggtggtgtga 180  
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 tgctttaacc accctcttct cccgtcaatt gtactgtaac tggggcaaag aaataatggg 300  
 gatatgtgga ttttacacag ttaatggaag catagcaata ctgtgggatg ttaaagaaca 360  
 ttgtatgttc 370

<210> 853  
 <211> 316  
 <212> DNA  
 <213> Homo sapiens

<400> 853  
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 aagtactcaa gactgactta cagaccaacc aaccaccttg ctggaaccct tgctagcagg 180  
 cattcttata aaagaaactt tcgagcctcc ttatattgct ggaactcagc tgtgctccag 240  
 actagagcct ccttacctat ctatatgttt aattaatttt tctctatatc atgtactctg 300  
 ctttttttgg tacagt 316

<210> 854  
 <211> 313  
 <212> DNA  
 <213> Homo sapiens

<400> 854  
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 tgcagctctt gtgatcttct cggacagttc aacctgcttc agctggatcc tgattgcaga 180  
 ggatgctgtc aggaggaggc acaatttgaa accaaaagct gtatgcagga gctattcttg 240  
 agtttggtga taaattggga aggttcctca gtccagcttt gttaggggtga taaccaactg 300  
 ttcagaggct caa 313

<210> 855  
 <211> 357  
 <212> DNA  
 <213> Homo sapiens

<400> 855  
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 gtgtgtttta actagctaaa caaaactaag ttaaatgaac atttaagagt ttccctagcg 180  
 ggccattcct tagcaaaatg ttggaatccc tgttgctaca ttgactaaca ggtcatgatg 240  
 aatggatatg tagacttggc tcatagaacc taatcagatg gttagagggtg ttggcagttt 300  
 aggacctcct gtcataaatg tgtgacaacc ttttgtacct acctattgac ctgcatg 357

<210> 856  
 <211> 264  
 <212> DNA  
 <213> Homo sapiens

<400> 856  
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 gatctgagct aaaggacagt attccagtta ctgaactttc agcaagtgga ccttttgaaa 120  
 gtcattgatct tcttcggaaa gggttttctt gtgtgaaaaa tgaacttttg cctagtcatt 180  
 cccttgaatt atcagaaaaa aatttccagc tcaaccaaga taaatgattt ttcacactga 240  
 gaacattcag ggtctatttg ctgc 264

<210> 857  
 <211> 264  
 <212> DNA  
 <213> Homo sapiens

<400> 857  
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 gtatcagggtg tctctcata ttctgcccc ctgtcagtggt actgcagatg tctttttccg 120  
 gcagattttg gctctgactg gatggggtta cggggttatt gctttgcagt atccagttta 180  
 ttgggaccat ctgagttct gtgatggatt cagaaaactt ttagaccatt tacaattgga 240  
 taaagttcac tttttggcct tctt 264

<210> 858  
 <211> 444  
 <212> DNA  
 <213> Homo sapiens

<400> 858  
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 actacataca gtacatccta caggcaaaga gaggtggaag gggaaaaaga agactgtggt 180  
 tgaggtctag taataaataa ataaatacag aagtagagat gatccatatt atagtatatt 240  
 ctaccaccaa tactgcagcc aaaatgtaca aaaaaaatca tttcaaataa ctcaggagga 300  
 tgataatggc tggacttttg taattcacct caaagactgt gggagagcca actcaactca 360  
 ctgtatagtc tgtgcatatg gtggcttgta gcatgtaggt tttttccaaa agaaggaaat 420  
 ataaaatggt tagattaaga acta 444

<210> 859  
 <211> 345  
 <212> DNA  
 <213> Homo sapiens

<400> 859  
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 ttacctaaaa ggcagcgcag tcaggatatt ggtaggtcgg gggcggcttt ggaaaccctt 120  
 aagttttacaa gcatgcgcgg acttgagtgc tcattaggtc gccgggcgtc cacgtgcagc 180  
 cctggaccct gaaccccggc gtgcgtgggc cgtgggctcc ggggaaagg tccgtgcact 240  
 cggggactcc ggtgaagcct gttcagccgt ctgtgtatgt gccatcttga gtctactctg 300  
 tcgctcttgt gccctagacc ccgagaaccg tagtttagca aatga 345

<210> 860  
 <211> 261  
 <212> DNA  
 <213> Homo sapiens

<400> 860  
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 cctgttggtta tcagcaccag taaggaaaga acgtgcctta acggcagccc caccagagc 120  
 ctgctgcgtg gctgctgtga ggctccccat gaatccagc agtcttcttc ctactgggtg 180  
 cagttgggtga ggttttctac cctcacagca aagggatcct taactataaa ttcacgggtat 240  
 gcagagaaga ggacagaatc t 261

<210> 861  
 <211> 445  
 <212> DNA  
 <213> Homo sapiens

<400> 861  
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 atgtcaaaca atatgtgatc catactgtgt gtcgtccttg ggggtttatt tgactttgtc 180  
 acaatgacag ccaacagtga gactgataag cctgtaaaaa taaaaaata agactaatca 240  
 aatagacatg gcattttaat ctcaaagtgc aaaatcatct aactgaaaat gacggcattg 300  
 aaaaattcca gtggttaaaa atgaatcaaa acttcattac gcaggcagtg gaagtgtgtt 360  
 gaaagattta ccaggggtgt caagttagg acactcagaa aggcaccatt ctagccatct 420  
 tgattggata acatggtata tactt 445

<210> 862  
 <211> 446  
 <212> DNA  
 <213> Homo sapiens

<400> 862  
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 agaatttttg cagttcattg cccaagatga ctcgatggc cacaccggca gctgtaatag 120  
 tgaccaggta gatgacaccc ccgcttgagc catcccggct catggccaga gcaatagcgt 180

catgtggtga	agcgccctgca	ctcctcgga	gacatgcctg	gcttatatgc	tgcattccaca	240
taaccataga	taaagggtgct	gccggagcca	ccaatggcaa	aaggctgtcg	agtcagcatt	300
cctcccaggg	ttccatatac	ctgacctcct	tcacgttggg	cccagccagc	taccatgaga	360
tgtgcagaca	agtcctctcg	attatttata	gctgatattt	ctcaccacat	ttgcagcagc	420
caaaacaagt	ggagggttcct	ccagtt				446

<210> 863  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<400>	863	
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agccaacaaa	tgcaattaag	aaaaaaaaaag
ggtctaagaa	gcatgcaagt	attacaaagc
gaacaagcat	tggaacgatg	ctctttcttt
cacaatggta	gtgattaa	
		60
		120
		180
		240
		300
		318

<210> 864  
 <211> 232  
 <212> DNA  
 <213> Homo sapiens

<400>	864	
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attttgaaaa	tatgaaaaat	aaatcacatc
acaagtcttg	accatgctaa	aaaattcatg
atgatgatac	ttgctttcca	gaagctggca
		tttgcatatt
		ataaaacggt
		aa
		60
		120
		180
		232

<210> 865  
 <211> 422  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

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ttctttctta	ggtattttctt	ggtaaggtat
gaaacaactg	tgattttatt	cttgaagcgt
gttttgccat	tgactttaac	cttctcccgt
attccatctt	ctactgggatg	agtaaggtcc
tt		aaattaaacc
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		cctcttgggc
		60
		120
		180
		240
		300
		360
		420
		422

<210> 866  
 <211> 607  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 866  
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 ggccctcctg cgagtcactc catttatctt aaagaaattg gacagcatat gaagacagga 180  
 catcacatat gaatgcacga tatgaagagc ctggttacag ttctgactcc tctctgcaag 240  
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 atgaaacgat gtctcgtgat ctgggtgtacc cttatccctg tgacgttttg cctctgacaa 420  
 tactgggtata attgtaaata atgtcaaact ccgttttcta gcaagtatta agggagctgt 480  
 gtctgaaatg gcactgtctt gtcagtcatt tctgtttacc ttntcttctg ccagagtgtgta 540  
 tttgtgaaga gtctcttata tgatgttttg tggaaatcag cacacancac atgacattaa 600  
 gcacagg 607

<210> 867  
 <211> 237  
 <212> DNA  
 <213> Homo sapiens

<400> 867  
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 aattatacat caggattgtt aggaatacca attatttttac aactgccact acgtgtttct 120  
 tcttctctga cacaagtggc acagatccag gcttgctgtg ttttaatacga ttcacttctt 180  
 ttcgtcgacg agcttctttc atgatgcgct gttcctgaat ctggctatag atagatt 237

<210> 868  
 <211> 462  
 <212> DNA  
 <213> Homo sapiens

<400> 868  
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 aataaacatt ctaaagtgtg agcagtagaa ataattgaaa ctccacagaa acagaaataa 180  
 attagtttct ttcagtcttg gtggagggtcc ttttgccgaa caccatactc cactgtgaac 240  
 agaattcatc ttgaacgaag aagaaatctt tggcctatth caccacgtct ccagcattgc 300  
 ataacagaca tttttcaaata tcagtttctt ctccaactgc agcaaaaagg caaagagtag 360  
 tctgtttcag gagtctgcat cgggtcctgt gagagccttg gtccacttag aacaagcctt 420  
 taacttgggtt ctggtttcgg tatccagatc tatgggtcata aa 462

<210> 869  
 <211> 624

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 869  
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tgggagtttt agtagcttga ggcaagggtg aggggcaaga agtccttggg gaagctgctg 180  
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aacactgaga naaaaaaaaa aagg 624

<210> 870  
<211> 425  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 870  
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gcagt 425

<210> 871  
<211> 452  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 871



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aaaaatctct	agaaagaatc	atacctctca	aaaaataaaa	aataaaacaa	aggctgggtg	180
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aaagtagccg	ggcatagtga	catacacctg	agcccaggag	gttaagccta	cattgagccg	360
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

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cctggagtgg	tgggtctcat	ctttcccatc	tcgcctgaga	gaggctgagg	gctgcctcac	180
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<210> 873  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<400> 873						
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tcagtttgtg	cccatgaata	atacacgacc	tgttatttcc	atgactgctt	tactgtattt	360
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aaaaaaaaa						428

<210> 874  
 <211> 391  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
<223> n=a,t,g or c

<400> 874  
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tgcctaaatg actgcagtgt ttcaagcgta catnttccac actcccttgt actgaaggca 180  
gccccaggtg aagggtggtcc cactagcagg aagattagga ggcagcagct atgcagaagc 240  
catgtctcct ggccctgcga ngctcaacgg tagaccttgc tgaactcctg gagggcccac 300  
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<210> 875  
<211> 418  
<212> DNA  
<213> Homo sapiens

<400> 875  
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ctcgtttaca aaaatggcca gtgtcatatt tgggcttaaa atttcaagaa gggcacttca 180  
aatggctttg catttgcatg ttccagtgtc agagcgtagg aatagaccct ggcgtccact 240  
gtgagatgtt cttcagctac cagagcatca agtctctgca gcaggtcatt cttgggtaaa 300  
gaaatgactt ccacaaaactc tccatccctt ggctttggct tcggccttgc gttttcggca 360  
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<210> 876  
<211> 432  
<212> DNA  
<213> Homo sapiens

<400> 876  
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tgtttcagca ttgagtttaa gtctcctgga gcacagaccg acagtatcca ttctcttccc 120  
ttcccttacc aagcgaaccc ctgaattcta gctgaatatc ttggctatac agtctccct 180  
caagctgaac tgtagctgtg ggaatcagtt ctgggtccaca ggaattaacg gaagaagtgt 240  
atacaatttt tgagctatgc tctttagaag agtgtggagg ggtgtctttc ttcccttcc 300  
cctgtgatgt gatggctgga tggagctgga atggccattt tgcacatga ggaatctgat 360  
gtcctgcgtt ggggagacct caggcttcag ttgcacactc aggggcaccc gttgctctgc 420  
cagccagatg ga 432

<210> 877  
<211> 347  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 877  
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gacatggaga acatcacctg ttactagtcc agtaataata atattttgta tattaataat 180  
gctgtttgtt cagcattttt cggtcatttg attttgcatt ttgcacnttc ctcccaggat 240  
attttttttg tcaaaatatg aagtattggg gcagtttgag ggtgttttggt tttttgattc 300  
cctgggtttt ttgttttttg tttgggggat ttttgggtga tgtatgt 347

<210> 878  
<211> 444  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 878  
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agtgtctgag tattgcatcc tggatataat tccctgatat atggtaaagc ataaaagaga 180  
cctattttctt caggagagta gctgacccac ctcagggcca tgactgctct tctctttccc 240  
cacagcctta gtactttttg ccaaaaggcc cagatttgag taaaggggaa cgccgtgagc 300  
gtaaggatcc gggcataagg gctgcagctt gttgagcttt ggcaggttgg tgttcgggga 360  
agtaaatttc ngaaggaatg gggtccctncc ctgntgggtt gttggtttgg ttgctgattt 420  
tccnggttgg gtaccaaggc gcta 444

<210> 879  
<211> 454  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 879  
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canggnata agctcctgag aggggacagg tctgcgggtc gtggattcac tggactggat 180  
gggacatgat ccagaactcc gctccgtttg gcttcccaag gatccacca actcattcta 240  
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cctcattggc atattaagaa agttttctca agtatattta gtgtttatca ttttactata 360  
gttcttcaaa tgtctggaca ttcactttt ccntacctct aaattccntt ccttttnaca 420  
ttaatctttt cntgattgnc ttttnaatag aaaa 454

<210> 880  
<211> 463

<212> DNA

<213> Homo sapiens

<400> 880

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ctttttccac	aacttacaaa	ataataatct	gatattttaa	atgaattggg	tttcattatg	120
taagtcgaaa	tggtataaaa	tcataatgac	ctatccgatg	catcatatat	atgctattca	180
gagaaactca	aatccccgaa	ttctcctgtg	gcatgtttta	tatcagacat	ttaaaatctg	240
tttaccaaga	aagaccagga	ttttaactat	atgtagggtt	ctgcttacag	ttgcaaacta	300
tcagaagcct	gtctatatga	tagagccag	ataaacctga	gatttagaaa	agcaagtc	360
ttattctcct	gaggctgttt	tagtggcact	tttgtgacaa	gaatgaccct	cctaattgctt	420
tactacacaa	cttaaccaga	tctatcagtc	atgataaatt	aga		463

<210> 881

<211> 549

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> n=a,t,g or c

<400> 881

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agaaaatgtg	tccaactgca	tccagttgaa	aacttcagtt	attaagggtg	ttaagaatca	180
attgatagag	caatttccag	gtattgaacc	atggcttaat	caaatcatgc	ctaagaaaga	240
tcctgtcaaa	atagtccgat	gccatgaaca	tatagaaatc	cttacagtaa	atggagaatt	300
actctttttt	aagacaaaaga	gaagggcctt	tttatccaac	cctaagatta	cttcacaaat	360
atccttttat	cctgccacac	cagcagggtg	ataaaggagc	catcaaattt	gtactcagtg	420
gagcaaatat	catgtgtcca	ggcttaactt	ctcctggagc	taagctttac	cctgctgcag	480
tagataccat	tgttgctatc	atggcagaag	gaaacagcat	gctcnatgtg	ttggagtc	540
gaagatgtg						549

<210> 882

<211> 596

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> n=a,t,g or c

<400> 882

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actcggaagg	tggacttcat	gttgatttag	ctcaaattat	tgaagcctgt	gatgtgtgtc	180
tgaaggagga	tgataaagat	gttgaaagtg	tgatgaacag	tgtgggtatcc	ctactcttga	240
tcctggaacc	agacaagcaa	gaagctttga	ttgaaagcct	atgtgaaaag	ctgggtcaaat	300
ttccgcgaag	gtgaacgccc	gtctctgaga	ctgcagttgt	taagcaacct	tttccacggg	360

0987357.060504  
T05090" / 9EE / 860

atggataaga atactcctgg taagatacac agtgtattgc agccttatta aagtggcagc 420  
atcttgtggg gccatccagt acatcccaac tgagctggat caagttagaa aatggatttc 480  
tgactggaat ctccaccactg aaaaaaagca cacccttcta agactacttt atgangcact 540  
tgtggattgt aagaagagtg atgctgcttc caaagtcatg gtggaattgc tccgaa 596

<210> 883  
<211> 282  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 883  
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ctttgcctag tcctccgact cngattcatt ttcattctga ctaatctgga agtaacgaag 180  
ttcgtaggtc tccttgtagc atgcaaccac tcgaagccaa tcacgaagat tgttcttctt 240  
aaggatatttc ttggttaaggc atttcaaata ccttttagag aa 282

<210> 884  
<211> 282  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 884  
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ctttgcctag tcctccgact cngattcatt ttcattctga ctaatctgga agtaacgaag 180  
ttcgtaggtc tccttgtagc atgcaaccac tcgaagccaa tcacgaagat tgttcttctt 240  
aaggatatttc ttggttaaggc atttcaaata ccttttagag aa 282

<210> 885  
<211> 512  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 885  
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tggtacagct	ctaaaaaatg	ttggcaccga	atgcacttaa	gaaaagtgtt	aaggcttaat	180
acaaatacag	agacgagtca	tttctcaatg	cagcttagag	ggtgagaaca	ggatgctagg	240
tttttaaatc	ttccaaatac	aggcagtcct	caacgtacag	acatacagga	cacctcccaa	300
atgtaaacga	cagccacaca	gcagggcttg	catgcgcagg	aactcttctt	ctcccagtga	360
gcagactaag	cactctgaat	cccacccac	tgctctgcag	agggaaaaga	aggcaggaca	420
gatgctagaa	gagtaatgtc	aggggctcca	tcacagctgc	ccaggggctt	ctgctgtagt	480
tcataattttc	ctcattccca	tctctgggtt	cn			512

<210> 886  
 <211> 391  
 <212> DNA  
 <213> Homo sapiens

<400> 886	
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aaacaaaaga	gaaggatgat
agggcacaca	gttccaacac
actggcctcc	ctgtgtctat
ccctatggaa	acccattcac
cattgggtggg	gggtcctctg
tctctgtttg	ggtcagagac
	gaaacgggct
	a
	60
	120
	180
	240
	300
	360
	391

<210> 887  
 <211> 260  
 <212> DNA  
 <213> Homo sapiens

<400> 887	
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tatcccatgg	gttatctgta
catcttagtg	ccttttatctg
aacactttca	ggaccttcct
ataaatattt	gcatataatg
	60
	120
	180
	240
	260

<210> 888  
 <211> 380  
 <212> DNA  
 <213> Homo sapiens

<400> 888	
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ccacaggacc	agcattttgga
aggacctgta	tactgtgtat
atTTTTaaac	agttgaactg
ctcttagtta	tttctggggg
tgtgaacttt	tatgttagga
atttactttg	aattgtaaat
	60
	120
	180
	240
	300
	360
	380

<210> 889

<211> 423  
 <212> DNA  
 <213> Homo sapiens

<400> 889  
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 ttttttcctc ttaggatatg cagatgcaac cggttgctgca gtctgtgtag aactgccttt 180  
 tatttccac gaccttgacg ttcttttta acactttctt ctctctcttg gcgtttctca 240  
 tagtgtgaga agtcatcaaa aatggaagtgt gtgtgcttgt agctggctat aattttcaac 300  
 acctgcttag ccttttccag aggcacttcc tgagtgtccc tagagtgtgt cactgggtta 360  
 ttctcggttg tctctaggcg aatgtgtcgc agttggctat tgggaacgct cttcacaaaa 420  
 atc 423

<210> 890  
 <211> 247  
 <212> DNA  
 <213> Homo sapiens

<400> 890  
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 aatcagagtc tctactgggc aagtagaaaa atagaaaagt ttactacttt gaaaaggaaa 120  
 ctatgacaaa caagtatata ttcaggaaag ggactcctag aacttgagca acaaaaaaga 180  
 gttcaacctc ggcacagtgg agtctgcagt gtctccgcaa caacagaaat gaacttgtgt 240  
 tcctcac 247

<210> 891  
 <211> 460  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 891  
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 tgttacggcg tctggagata aaaccattcg catctgggat gtgaggacta caaaatgcat 180  
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 cattgtctgta ggcaacaagg atgatgtggt gacctttatt gatgccaaga cacaccgttc 300  
 caaagcagaa gagcagttca agttccgagg tcaacgaaat ctctttggaa ccatgaccat 360  
 aatatgttcc tcctgaccaa atggcaatgg ttgtatcaca tcctcagcta ccagaactga 420  
 agcctgtgca gtccatcaac gcccatcctt ccaactgcan 460

<210> 892  
 <211> 414  
 <212> DNA  
 <213> Homo sapiens

<400> 892  
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 attattttgt ttagtttctt aaatattact taagtatgca ttaaaaatat gtttacattt 120  
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 ttatggcctg gaagtatata caaatttttg agtctgacaa aagtgttctt tatgatttta 300  
 taaataacac atagtatttg tagtgttgat tataaatcaa atgacttttt acaaattcct 360  
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<210> 893  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<400> 893  
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 aatcagtgtc caaatagata ctctctcaaa tatgtccttt ctacattctg aacagcccaa 240  
 gtgcaataag atccttcccc ctttccaatc aagaaaatgc cacttttcta cttgtctctc 300  
 ctccccagac atgagtctaa ggacccaaag tgcctactcc tttactgctt gtttaagtgt 360  
 atgtggggag gctcagaact ggggctgacg ctactgagag c 401

<210> 894  
 <211> 243  
 <212> DNA  
 <213> Homo sapiens

<400> 894  
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 gaagttctgt atgtttgagg gcatccgatg tcagagtcca accggatcct aaccccagct 180  
 cttgtcacta atctgtaaac aataatttca agtagtattt agcacttttt aactattaag 240  
 aaa 243

<210> 895  
 <211> 230  
 <212> DNA  
 <213> Homo sapiens

<400> 895  
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 tctgtacttg agtatcacag tcattgtttt tgagacaaac atttttataa ttctaatttg 120  
 ggtaataaaa gattttaaat atttcttggg ttacttttgt aattatatac acaacaaatg 180  
 tattaataac taccttggtt aacacctttt aatagcacia ggggtttata 230

<210> 896  
 <211> 259  
 <212> DNA  
 <213> Homo sapiens



<400> 896  
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 atttgctgat atttactgag tgcttgcaat gtatcagagt cattaaataa gatgcaactt 180  
 ctactgtgaa aactggaatc ttcattagga cacagactta gaaaaggccc agtttcaagg 240  
 attctgactt gcacagact 259

<210> 897  
 <211> 308  
 <212> DNA  
 <213> Homo sapiens

<400> 897  
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 ctgatttctc ttgcttaatc cagtctttat ctctaactgc ccctatttga tcaccatgta 180  
 ctaggagctc tgatagccag ctgagctcct aatccttgag gcaccattct ttttctattt 240  
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 ctctggct 308

<210> 898  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<400> 898  
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 gactgcaagg tgcccgccga cgactgcccg ctggtgtggg gccagtgtc cactgtctc 300  
 cacatgcatt gcaccccaa gtggctgcac gcacagcagg tgcagcagca cttccccatg 360  
 tgccgccagg aatggaagtt caaggagtga ggcccagcct ggctctcgt ggaggggcat 420  
 cctgagactc cttcctcatg ctggcgccga tggtgctgg ggacag 466

<210> 899  
 <211> 364  
 <212> DNA  
 <213> Homo sapiens

<400> 899  
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 ccccagactg gagaacagct ttgggttgct aacactcccc ctccagccag gccagtcaca 300  
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<210> 900  
<211> 376  
<212> DNA  
<213> Homo sapiens

<400> 900  
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acaaatgggt taaataacaa ggtaaccatt tgtaatgagt ctgttttagaa taaaatagtt 180  
cttcacaaaa gttagacaag gccatgagta agtatatcac tgtataaaaa atatcagtga 240  
cgtcaaaaata tacctgtacc aaaaagtaga acagcaatgg tagtgcattc aaatgtgtcc 300  
taaattaaat tacagcacat acagtttcag tgttccacaa tacaaccatt gctctgaggc 360  
agcaatctgt gagact 376

<210> 901  
<211> 397  
<212> DNA  
<213> Homo sapiens

<400> 901  
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tatgaaacca tgccattatc tcttaggaaa caaaagcatt caaaattaat ttggtattaa 180  
agttcaagat tcagactaac ctcaaagtac ggcatgtgca gtgtttaagt gcaagaagta 240  
ttttcattcc aattatttta cagagatgct ggagtgcagt gtgcaatttg aaatattcaa 300  
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tggctttcaa tttcctgttt gatctcagaa atatatg 397

<210> 902  
<211> 366  
<212> DNA  
<213> Homo sapiens

<400> 902  
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gttttttaaac cagaagattt ctacactaac acacatttat attaatgaca cataaaaaaa 180  
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ttatttgcag gaatgcaaaa tgattgtttg ccatgagcat tttgaacata tgacatgtcc 300  
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ataagc 366

<210> 903  
<211> 373  
<212> DNA  
<213> Homo sapiens

<400> 903  
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atggacagtt gtgtcccaa ggatggatga gaatagctac tgaagtcta aagagcaagc 120  
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tccacttgcc	tggaccagct	taatggttct	tctcctggta	acggttttat	ccatggatga	240
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gctttactac	actgtgtgga	gcaagtttta	aagaagcaaa	ggcttagaat	tcatgattga	360
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<210> 904  
 <211> 146  
 <212> DNA  
 <213> Homo sapiens

<400>	904					
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ttaattcaga	caaatacaca	gaacac				146

<210> 905  
 <211> 504  
 <212> DNA  
 <213> Homo sapiens

<400>	905					
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gatggctcaa	aaatgacgac	ttatagtttg	aatttatgtg	tatgcaatat	acatatgaga	300
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cagttatttc	ctctgttcaa	taaatactga	aggtcacaaa	caccttttta	cttttcaaga	420
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<210> 906  
 <211> 499  
 <212> DNA  
 <213> Homo sapiens

<400>	906					
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cgcggttggg	gttcgaggaa	gagacattgt	tgttcttggg	gtggagaaga	agtcagtggc	180
caaaactgcag	gatgaaagaa	cagtgcggaa	gatctgtgct	ttggatgaca	acgtctgcat	240
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ccagagccac	cggtgactgt	ggaggacccg	gtcactgtgg	agtacatcac	ccgtctacatc	360
gccagtctga	agcagcgta	tacgcagagc	aatgggcgca	ggccgtttgg	catctctgcc	420
ctcatcgtgg	gtttcgactt	tgatggcact	cctaggctct	atcagactga	cccctcgggc	480
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<210> 907  
 <211> 551  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> n=a,t,g or c

<400> 907

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gcttccagaa	gcatgcggt	gtccttattg	ctgagctgcc	tggccaaaac	aggagtctctg	180
ggtgatatca	tcatgagacc	cagctgtgct	cctggatggg	tttaccacaa	gtccaattgc	240
tatggttact	tcaggaagct	gaggaactgg	tctgatgccg	agctcgagtg	tcagtcttac	300
ggaaacggag	cccacctggc	atctatcctg	agtttaaagg	aagccagcac	catagcagag	360
tacataagtg	gctatcagag	aagccagccg	atatggattg	gcctgcacga	cccacagaag	420
aggcagcagt	ggcagtggat	tgatggggcc	atgtatctgt	acagatcctg	gtctngcaag	480
tccatgggtg	ggaacaagca	ctgtgctgag	atgagctcca	ataacaactt	tttaacttgg	540
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<210> 908

<211> 344

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> n=a,t,g or c

<400> 908

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gttctatcta	aatgccgatt	tgagttcgcg	acactatgta	ctgcgttttt	cattcttgta	180
tttgactatt	taatcctttc	tacttgctgc	taaatataat	ngtttttagtc	ttatggcatg	240
atgatagcat	atgtgttcag	gtttatagct	gttgtgttta	aaaattgaaa	aaagtgggaa	300
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<210> 909

<211> 454

<212> DNA

<213> Homo sapiens

<400> 909

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cacgttatga	tataaatata	ggaaagtatt	atgtgcattg	taaagagaaa	ggaaaaatag	180
aaacctacta	gatcaacaca	gtgttgttct	gtgctctaaa	atacctaaag	gtggattaca	240
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attccttcta	agccaaagga	ggttttataa	aaaaagaatc	aatattgggc	caatcccttt	360
gtgccctttt	tctctttttc	tatgtgcatt	ttattttttg	tctactcttc	ttcaagttgc	420
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<210> 910  
 <211> 476  
 <212> DNA  
 <213> Homo sapiens

<400> 910  
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 aataaataat ataaggcagt gaaattcaca atctgcagtt aaaatataaa agcagcaatt 120  
 ctatgttcat agtcttgcaa atgttttcca actacttttg ataactaaga aatattatat 180  
 tctgaaaaaa gttcatacta aatatacaac acaaacatgc aattccctct ctgcagaata 240  
 atctgcaatt tggatataaat gttagtgtgt ctaaaacaag gaggtttaag gcaatatgga 300  
 actgtatccc gttgatgcac taacttcac tacatggcct aaggtttgtg gttgttaaag 360  
 agatgtatac gagcattcta tgccccggcg tataacagag atagaagagg aagataagta 420  
 attgcaatgg agttgacgtt tccctccttt ttggtttttag gaggggaatt atttga 476

<210> 911  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<400> 911  
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 cacagaaaag gaggtgccct cccgaggtcg ggactgagac ctctctcgctg gagaagggtgt 180  
 gggaggcccc tgagggtgaa gttccccggg ttgctcgagc cagagtctgc acagtacag 240  
 ggcaagcaga aaattctttc gagaggggtg gcgctcacag ggaatcggga agcagagccc 300  
 acctgcctac acctgaaagg ccacagccag tgetgggacc tctctgaggt ctgcagactc 360  
 caggcagaca ctctggcag ctgtgcagca ggagcaggaa ggaaacgaca tgaaagcccc 420  
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 cccacccac gactgcag 498

<210> 912  
 <211> 411  
 <212> DNA  
 <213> Homo sapiens

<400> 912  
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 catggaacat agtatttgca atatgcaa atgagacctaa aggtcatga cgggaacaga 180  
 aggtggctgt atacagagga acagacacga agtggagtta tgggaagttc aatcaacaat 240  
 tggcaacaag ctaggtcagt agtttacgaa agtggctatc tatacagtgc ctgagtttgg 300  
 gttctgggcc tggatcatgt aagaaaggca gcaaagtctg ggtgccatga atcacacctg 360  
 caatcccagc actttggaaa tctgtggtga gaggatctct taaagctatg g 411

<210> 913  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens

400> 913  
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gtacgtgccca agcatcctcg tgcaaccgga gagcccgagg aggggctctg cggccgtcgc 120  
actcatttac ccggggacag gagaggctct tctcgtgtag tggttgtgca gaccttatgc 180  
atcacgggca tgagaagacg tccccctgct gccacctgct cttgtccacg gtgagcttgc 240  
tatagaggaa gaaggagccg tcggagtcc 269

<210> 914  
<211> 318  
<212> DNA  
<213> Homo sapiens

<400> 914  
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ttatggcctt taaaactatt ggacaaactg atgctattta acattgttca cagccattta 180  
atttgaataa caaatttttag attctaagta ggccataact tctttgcaaa acaattgatt 240  
tataaaggta cagtttcaga aggtaacagc atgagactag tcttcctata ggcacatttt 300  
agtagactgc tcttctca 318

<210> 915  
<211> 455  
<212> DNA  
<213> Homo sapiens

<400> 915  
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ctatataaga agctccacgt agtgcaaatc gacatctggg aggctgctcg cccccaggca 180  
gcagctagag tctgtaattc tctgcgtcat cctcttcttt ttcttcattt ttgctttttc 240  
ttcgcttgag ttcttctctg aaattatatg caaagagttg tgggtcttca tcacacattt 300  
ttctgtatac atcacagagg ctcttaaagt gtgagatgga gagctggcgg ggccgaagag 360  
tagggctctat gtctgccaac tctaacagcc tgcccgctgt ttccaagcgc tgcgcttcag 420  
ggaataacat tctgagccct cgatggcagt atttc 455

<210> 916  
<211> 489  
<212> DNA  
<213> Homo sapiens

<400> 916  
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gcttctgtct aaaaacgggg atttgctggc gtatttcagc cagcttcttc aggtctatgt 180  
ctgaatacac gattgcttct tctgtgccag ctttggttag aacctcccc caagggttca 240  
ccacggtgct gtgtccccag gcaacatagg aggtcttctc atccccggca ggagaggctg 300  
tgacacatac acctgattat caacagccc gcttcgctga agtaactccc aatgggctgg 360  
tccagtggtc agattaaaag ctcttgata taccaacagc tggcagcctc tctgtgcgta 420  
gatttgtgca agctctgcaa accgcatgtc gtagcagatg cccagacca ctctgcagta 480  
agctgtttc 489

<210> 917  
<211> 340  
<212> DNA  
<213> Homo sapiens

<400> 917  
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 gaaggtatat atcaacaatc tgacaggcag tgaacttgac atgattagct ggcatgattt 120  
 tttctttttt ttcccccaaa cattgttttt gtggccttga attttaagac aaatattcta 180  
 cacggcatat tgcacaggat ggatggcaaa aaaaagttaa aaaacaaaaa cccttaacgg 240  
 aactgcctta aaaaggcaga cgtcctagt cctgtcatgt tatattaaac atacatacac 300  
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<210> 918  
<211> 418  
<212> DNA  
<213> Homo sapiens

<400> 918  
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 agaaccattt acactatggt gacagtagta ctgctgcagg cagacagcgg aagaataaat 180  
 aatagtgcct caagaagagt agtgattgag aggataggta aagagggcgc ctcatcgtgg 240  
 aagctagagc aggaacacct cccagtagt gacatgtgca aagttccaga tctccacgac 300  
 aaagacagct caacccactg gaacaaacag actcccaatg tggctggcaa ctgcgggggt 360  
 agaagaactc aggcaaagta ggcacaggaa tgggggagat gagagccaag ggacaaac 418

<210> 919  
<211> 487  
<212> DNA  
<213> Homo sapiens

<400> 919  
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 ggaaggctgg gagcagcttt gttaaattgt gttcagttct gttacacagt gcattgccct 120  
 ttgttggggg tatgcatgta tgaacacaca tgcttgcgg aacgctttct cggcgcttgt 180  
 cccttggtc tcatctcccc cattcctgtg cctactttgc ctgagttctt ctacccccgc 240  
 agttgccagc cacattggga gtctgtttgt tccagtgggt tgagctgtct ttgtcgtgga 300  
 gatctggaac tttgcacatg tcaactactg ggaggtgttc ctgctctagc ttccacgatg 360  
 aggcgcctc tttacctatc ctctcaatca ctactcttct tgaagcacta ttatttatct 420  
 ttccgctgtc tgctgcagc agtactactg tcaacatagt gtaaattggt ctcagaagct 480  
 taccagt 487

<210> 920  
<211> 439  
<212> DNA  
<213> Homo sapiens

<400> 920  
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cataatctaa	tctaagcata	tctgaataca	gtattcagag	atagatacag	tagagattcc	180
ccagactttt	tcgctctttg	taaaacctgt	ttgttttaggt	tttgcgaggt	aaactcaaca	240
gaggttggga	gtggaagagg	gtgggaagct	tatatgcaaa	ttaacagacg	agaaatgctc	300
cagaaggttt	attattttta	agcacattaa	aaacaaaaaa	ctatttttta	aatcctgcta	360
gattttataa	tggattttgt	aataaaaaat	acccaggggt	ctcagaatgg	aataaatatc	420
ccttttaata	gttatatat					439

<210> 921  
 <211> 383  
 <212> DNA  
 <213> Homo sapiens

<400> 921	
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gaggaaacac	aagacggcat cctgtgtaac tggggtttaag cattactctc tgaaactcat 180
ggcatcagtt	tcctcttagg ctcttccaac agagtatact catgttcatt tcagtttaca 240
atccttgcag	tcccatcgat ttgtgagatt ataccaggt catccacagt ggaggtctga 300
aaatgttctt	agttgtactc taatttcact aactgccaaa aggttttcca gaataatctc 360
agttgcttca	ttccttttaa gat 383

<210> 922  
 <211> 411  
 <212> DNA  
 <213> Homo sapiens

<400> 922	
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gattataaat	ctcaaccata agcacatcaa actgtccagg gaaacacttt gattccatta 120
caaacaattg	ttttctaatt cgcttaagac ataacactct atcaaaaaat attttaacaa 180
caccaataaa	tattaggcat gtatgtccat taaaaacat taaagagtcc tgtggcaatc 240
cttaaaacaa	tgaaaaactt ttgagttcaa aattgctcag atattttgta ttcaaattatt 300
tttaaaattt	acttaagagt tttctaaaaa atagtactat catttgcaca cagcagatca 360
ataggtgtca	gtcaccagct taagttacac ttgtcaatat tcaaacttga a 411

<210> 923  
 <211> 362  
 <212> DNA  
 <213> Homo sapiens

<400> 923	
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cttagaagaa	tcacttactc ccacaatctg tccagacaca ttagtctaag gacaagttta 180
taaatagcaa	acgtgatttt cacattgcag tgttctcaag aatgtatata caagtgtgta 240
gtcctgttga	tgggatgttt ccccgagttc tttctattga tgcgttcatt ctcttgacct 300
tggtagagac	agttctttct ttccacagag cagattttct tttgtcatcc accattttaca 360
at	



<210> 924  
<211> 336  
<212> DNA  
<213> Homo sapiens

<400> 924  
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aaaaccaga taacaaccag agcaaaactg ttgtgccttc tatttatctt tgatttcagt 120  
cttggcaatt gtttaaaaaa aaaatctaga tttgttttat taggttcaga gtatgtgggg 180  
aattatagaa tccctctttc atcactttgt gtatgtcttt tgtaacata tttgttatgc 240  
cttattctaa aattgagtc tcaaactggaa tgcctttgaa gacagatgct tctatagagg 300  
ttctttgacc taaatagtgc agcatttgta ttttta 336

<210> 925  
<211> 427  
<212> DNA  
<213> Homo sapiens

<400> 925  
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ttgcggaggt cagcattgag ctggccaggg aaacggaggc aggtggtgac acacttcatg 180  
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gcgccctctg tgtagtggtc tttgccaaagt tgttacctgc cccagactga ccaaatacaa 360  
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gttctag 427

<210> 926  
<211> 187  
<212> DNA  
<213> Homo sapiens

<400> 926  
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gccctgcatt gtacagcccc ccaactccct caccacctaa taaaggaata gttaacactc 180  
aaaaaaa 187

<210> 927  
<211> 366  
<212> DNA  
<213> Homo sapiens

<400> 927  
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gcatgaatgt aagagtagga aggggtgggt gtcagggatc acttgggatc tttgacactt 120  
gaaaaattac acctggcagc tgcgtttaag ccttccccca tcgtgtactg cagagttgag 180  
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taaaac

366

<210> 928  
<211> 434  
<212> DNA  
<213> Homo sapiens

<400> 928  
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aaggagactg caacagattg gattcccatg gtggagaggg catcttcaca ggtgaagggg 180  
ggcccagctg aaacagcttt tcaagctctc tctcctcgtc aaggatcatg agaggcactc 240  
cactcaaggg gaggtgcgca atctgggtgct cttcaggcag gtcaaaactc tcaaagtcta 300  
gaggattgaa gggaaagaat ttttctatTT ctggataggc atcatctgag gcaggaacag 360  
agctttttgc tttaacagtc ttctcagtc tctttttggc agaaaagctt ggctgttttt 420  
gtttgagggg tccc 434

<210> 929  
<211> 323  
<212> DNA  
<213> Homo sapiens

<400> 929  
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atgcagaggc ctcagagtcc acagtgggca gttggaacca ggccccaggg aatctttcag 180  
ctgcattccg gctgtgatcg gcgggcaaca ggtagagggtg ctggaggggg atgagtcgtg 240  
attttcagtg tctgtcatat tcgatcaagt gtgtcataga gcttctgtt tcatctccca 300  
gttattcagg gagaggctgg tgg 323

<210> 930  
<211> 337  
<212> DNA  
<213> Homo sapiens

<400> 930  
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aaaaaataac agaacgttgc gaatcgtggt taagtacagg aggttcttga actttcattg 120  
atgcagtgac tctttgcttt gctgacaatg aagagttcta tagtttgttt aaaaacaaac 180  
agtttaaaaa ctaccgcaact taaaaaaaaa aaatattctc atgccagctg accccccttt 240  
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aagctaaatg gatgccccct gcagagtcaa cagggtcc 337

<210> 931  
<211> 445  
<212> DNA  
<213> Homo sapiens

<400> 931  
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ggagttcccc	gagtggagtt	cccagcgcc	cgcggtgac	ggccagatct	gtcctgaggg	180
gtcgtgggag	cccagcgcc	gccttgaggg	aaatgaacac	tgaaaacagg	atttgaggagc	240
agtattggat	tgacagcaga	gaagggactg	tttctaagg	cagtttctca	ctgaagctgc	300
taccattttc	ctttgtaaag	aagtcaccca	cctcctccca	gcggtgcccc	ttttcaagac	360
gctgccagag	cctcttaaaa	cagcttcttg	aaagggtttt	tccacaacgg	gttctggaat	420
gttctgcttc	agctctggag	gatgc				445

<210> 932  
 <211> 510  
 <212> DNA  
 <213> Homo sapiens

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aatgggaaca	ttatgatcca	gaaacacgat
ggcatcacgg	tgccagtgca	caaaatggcc
tcttgatgct	catatctgtt	cttcagcagc
ctgtcatagg	aactggatcc	tacctatgtt
aattacctta	tagaactact	aaagttccag
tagttaggcc	attcatttaa	tgtgcattag
gcacttttct	gtttatttaa	gagtcattg
ctttctaattg	ctctatggac	cgactatcaa
gatattagta	agaaaggatc	atgttttgaa
gcagcaggtc	caggtcactt	tgtatataga
attttgctgt	attcaataaa	tctgtttgga
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cttaacccaa	tgttcccttt	gttcagttat
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 <212> DNA  
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actgctacct	atactttcac	cccattttatt
aagcccaaaa	cacttcaagc	aacttcaggt
tcataaatta	ataaggaggt	acagaagccc
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		180
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gaaaagaaca	tgccaacgtt	gtctatttgt
agattaataa	ataggcaatt	attttaatat
acatatatgt	cagcattgaa	ctttggaaaa
cagctgcttt	gtagtggaag	tccaacttgg
tcaaattgct	atttttaatc	gaagtgaatg
ttgagtccac	agaaagacaa	aatcgtggca
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		60
		120
		180
		240
		300
		345

<210> 935

<211> 438  
<212> DNA  
<213> Homo sapiens

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 catactctta attacttcat ccatcagttt ttttaacttct ttgtgtcttg taactgctcg 180  
 gctcatacag tcctgaagtt tagctccagt tagcccactt ccacctgggt tgtgaagaca 240  
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 ctctccagta ggggtcaacta taagcaaagt gtcatacaac acagcaaagg aagttgcaac 360  
 tggatgagtt ctaatatcca aataactttt cttcttttaa ttaacttctg ctaaagcagt 420  
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<210> 936  
<211> 446  
<212> DNA  
<213> Homo sapiens

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<210> 937  
<211> 427  
<212> DNA  
<213> Homo sapiens

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 aacattttcc ttcaacttat acagagtttt gtacgtgaac cacatgggtca atagccaaga 180  
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<211> 352  
<212> DNA  
<213> Homo sapiens

<400> 938  
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gccacttgag	attttcgcct	ctccaaaaat	gttggtgtac	aaactgggtg	ggggccctgg	240
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 <212> DNA  
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cccaccact							369

<210> 940  
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ccttgagggg	tttgtgagtg	actgtactat	acaatgtgat	gctagggtta	atgtgtcatt		360
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cgggggtgca	aggtaggtca	tgccgcagca	gctggagggtc	cctagggttg	tcttcaaagt		480
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g							541



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 <213> Homo sapiens

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gaacacacta	300
gactccaagg	360
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<210> 947  
 <211> 392  
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<210> 948  
 <211> 372  
 <212> DNA  
 <213> Homo sapiens

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ttcccctcta	360
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<212> DNA  
<213> Homo sapiens

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<212> DNA  
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<213> Homo sapiens

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<212> DNA  
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<400> 952  
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ataagcctaa acaattttcac ctaggtaaaa tattgatgtc ataaccaaac tatatggc 418

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<212> DNA  
<213> Homo sapiens

<400> 956  
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<211> 419  
<212> DNA  
<213> Homo sapiens

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<210> 958  
<211> 429  
<212> DNA  
<213> Homo sapiens

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<210> 959  
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<212> DNA  
<213> Homo sapiens

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 <212> DNA  
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<210> 963  
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<212> DNA  
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<212> DNA  
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 <212> DNA  
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[illegible]

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<213> Homo sapiens

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<213> Homo sapiens

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4003

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<213> Homo sapiens

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agggaaaaag gttcccagggt ggggtcctct gccactttg ccaccacatt cacattccaa 180  
atgggataat gcctgagggg ccaagagtgg tcaggctgcc ctggggtgaa tgtcaccctg 240  
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ctgtgggtcc ctggcctgta tggcttatac 330

<210> 1015  
<211> 354  
<212> DNA  
<213> Homo sapiens

<400> 1015  
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agcaacatct tccggacacc atctttataa aagtaaaact tctagatcct gaaatgtact 180  
acagtagagt ctatagttta cacttttaac cacagattgg aattcattct cttactccc 240  
ctacttccca catgtggcag ttattacttc aaaattaatg acattcactc atgttatact 300  
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<210> 1016  
<211> 478  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 1016  
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gaatgtgacc agcaacgcag cccacagaac cttcatcttc ctgcctgtga ttggccagtc 420  
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<210> 1017  
<211> 497

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

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ggaggcaggg gcatgangnn nganggggcc ggantganga gacaaaagtt ccagagcctc 180  
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aataaaactt tccctagcac tgtggctgac ctcaccctta cttttatact ttagtatgaa 420  
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aactatccta ttatata 497

<210> 1018  
<211> 422  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

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gccgaggctt aaatggaaga actggttagc attttttttt ttttganggt acatcggggg 420  
ag 422

<210> 1019  
<211> 367  
<212> DNA  
<213> Homo sapiens

<400> 1019  
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gaggaggcaa cactcggacc tggttcttgt acaacaagaa aacatcgctg gggccccgct 180  
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tcatgcc 367

<210> 1020  
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 <212> DNA  
 <213> Homo sapiens

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 ccatcagtat ttccctcaca ttcccttttg ttaagtccca tcttcgcagt ggcagtacag 180  
 gagaaatctc caccgtcacc gcacaatcca ccaggcgcat taccacctga agtgaaggtc 240  
 tcatctcgaa ggtgcgctca gccataaaaa gaaaacatat tacagaaagg aaaaaataagt 300  
 gtgctcttcc caccgcaaa 320

<210> 1021  
 <211> 471  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

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 tgaccatctt taataaccacc tctacnggga tctcattgcc aggtgttgca ggtataccag 180  
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 agtacttgng caccctntgt tgtcaagaaa gttgggagta acatctgtag gaggttcttt 420  
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<210> 1022  
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 <212> DNA  
 <213> Homo sapiens

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 acagcgtgca tatgctattc ctggaaatac tgaagtgtcc gaatttcatt cctaaaaagt 360  
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<210> 1023  
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<212> DNA  
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<220>  
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 gaaaccaaca agcgtgtca cctgtctctc cctcccgtgc tgcccggggg angcaagggtg 180  
 ggcaaggagg gggcaggaag ccccatggc ctcacctcct gagtcccaa tcagggcagg 240  
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<210> 1025  
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 <212> DNA  
 <213> Homo sapiens

<400> 1025  
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<210> 1026  
 <211> 252  
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 <213> Homo sapiens

<220>

<221> misc\_feature  
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<210> 1027  
 <211> 439  
 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
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 <223> n=a,t,g or c

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 ggggggctca gatgaacagc gaacacccaa tcagccaggg gctctgggaa gggaaagctc 360  
 ccaaaaatga ggaagtccct tccaacaccc atttttccca ttactgttct cac 413

<210> 1029  
 <211> 284  
 <212> DNA  
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<400> 1029

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<210> 1030

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> n=a,t,g or c

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<210> 1031

<211> 348

<212> DNA

<213> Homo sapiens

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<210> 1032

<211> 449

<212> DNA

<213> Homo sapiens

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<221> misc\_feature

<223> n=a,t,g or c

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<210> 1033
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<212> DNA
<213> Homo sapiens

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<220>
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<223> n=a,t,g or c

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<212> DNA
<213> Homo sapiens

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<210> 1035
<211> 534
<212> DNA
<213> Homo sapiens

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<210> 1043  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

<400> 1043

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<210> 1044
<211> 783
<212> DNA
<213> Homo sapiens

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ccgggggtccg gtgggcaaaa ggctacagca ggagctgatg accctcatga tgtctggcga 180
taaagggatt tctgccttcc ctgaatcaga caaccttttc aaatgggtag ggaccatcca 240
tgagcagct ggaacagtat atgaagacct gaggtataag ctctcgctag agttccccag 300
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agaaacctac tcaaagcagg tcaccagcca ggagccctga cccaggctgc ccagcctgtc 600
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gactctttat cttgagctgt ggtatttttg ttttgtttt gtcttttaaa ttaagcctcg 720
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<210> 1045
<211> 518
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> n=a,t,g or c

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attcccacgt	gtatacaagc	taatgtgatg	aggggggaaa	aaatccaacg	ggtgcatttt	300
cattcatatg	aaagacttct	catagtactt	ttttttcatt	tttttaaagg	aggttttctt	360
gttacatgtg	atgggcattg	agccacacct	cttcttagac	tgaatattga	agtttttggt	420
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aaaaaaaaaa	aaaaaaaaat	tgcggcgnaa	gccttatn			518

<210> 1046  
 <211> 657  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

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cagccagggt	tggtactgat	gtacagggtg	naaattactt	caagcatttn	ggnaagaggt	240
gtatataatt	caataaaaaa	ggtaaaacat	gaacggaatt	cagcttggac	ttaaccaggc	300
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ncnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	540
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<210> 1047  
 <211> 416  
 <212> DNA  
 <213> Homo sapiens

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ttagatttgg	tgtcttcaaa	ggtagtgtgat	taaaaccaag	tgtgtcttta	atatcttgta	240
tcagaataac	tttgtatggt	accaacttaa	attgctagaa	taaggtaaata	tgatacacia	300
ctgctatttt	taatttagaa	ctttgacctt	atttgggttt	tcaaaacat	tttggctact	360
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<210> 1048  
 <211> 564  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
<223> n=a,t,g or c

<400> 1048  
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tagcaggcgt gatgaccaac aaagatgaag ttccctatct acggaaaggc atgactggga 180  
ggcccacaag gactctcatt gagttcttac ttctgttcag tcaagacaat gcttagttca 240  
gatactcaaa aatgtcttca ctctgtctta aattggacag ttgaacttaa aagggtttttg 300  
aataaatgga tgaaaatctt ttaacggaga caaaggatgg tatttaaaaa tgtagaacac 360  
aatngaaatt tgtatgcctt gatttttttt tcatctcaca caaagattta taaaggtaaa 420  
gttaatatct tacttgataa ggattttttaa gatactctat aaatggntta aaatttttag 480  
aacttcctaa tcacttttca gagtatatgg ttttccattg agaagccaaa ntggtacnca 540  
gattggtgag ccagggaanc atgg 564

<210> 1049  
<211> 470  
<212> DNA  
<213> Homo sapiens

<400> 1049  
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gagaaccaac tgactttcct attgactcat caggaaccag tcctcagtct ggtcaagttg 180  
tttcttattt gtgagcagtt caggctatct cctgatgggg atgaggccaa ggctttctta 240  
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ctttcattcc acctcaggaa tgaggttggt atctttcctg tcctgaccct ctctgaatta 360  
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tgtaagtaa gtaaataaac cttagcccggt caaaaaaaaa aaaaaaaaaa 470

<210> 1050  
<211> 459  
<212> DNA  
<213> Homo sapiens

<400> 1050  
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ttcagagtta gagtaacata ataccttgga aactatagca aacagcttga caaagcaaga 120  
gtacattaat tcctacatat atacttttat ttttagtgac cacatttctt tgtttcaggt 180  
gtaaaattaa aaaatatatt gtacacttag catacttggc ctaccaaata ccgtctaagt 240  
tctgagcaca ctctctcctc aaaagtatca tattcaacag catttttaat ttagagagag 300  
agtttgatga tacaggtttt aaaacaaata agcatgtatt gaaccaagtg atttaagaca 360  
aaatatttca attgtttaca gcttgggtat gagagggaag atgcaaattt aagggtacatt 420  
tttcctctag ctacgatggt atgttttact tacctggat 459

<210> 1051  
<211> 304  
<212> DNA  
<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 1051  
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 ctctgctctt ctttagaatt acctttgctg cggccagtac atgctccttg ttaatgactc 180  
 tacatttact cgcacaagcg tttgtcctgg actcttctgc taatcgatga acaaacagta 240  
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 ttcc 304

<210> 1052  
 <211> 1295  
 <212> DNA  
 <213> Homo sapiens

<400> 1052  
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 ctaccatggg ctggctgcac tgggagcgt tcatgtgcaa ccttgactgc caggaagagc 180  
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<210> 1053  
 <211> 732  
 <212> DNA  
 <213> Homo sapiens

<400> 1053  
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 ccagatgggg tccagcgggg tcttgtggga gagattatca agcgttttga gcagaaagga 180  
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<210> 1054  
 <211> 1895  
 <212> DNA  
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<212> DNA

<213> Homo sapiens

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<400> 1066

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